# KENT STATE
UNIVERSITY

## Interdepartmental Correspondence

### *Department of Management & Information Systems*

| | |
|---|---|
| **TO:** | Dr. Robert Hisrich, *Associate Dean*, College of Business |
| **FROM:** | O. Felix Offodile, *Chair*, M&IS Department |
| **DATE:** | August 10, 2017 |
| **SUBJECT:** | Proposal to offer the Master of Science in Business Analytics (MSBA) online |

Attached is the proposal to offer the Master of Science in Business Analytics (MSBA) program online. The MSBA aims to educate students to become cross-functional decision-makers at multiple levels of an organization's complex data-driven decision-making process for competitive advantage. Several publications show that there is ever-growing demand for graduates with expertise in business analytics. The goal of the online proposal is to reach a wider audience, especially those who are geographically bound and/or are working full time and cannot otherwise avail themselves for a face-to-face education format of the current program.

The proposal has been approved by the M&IS Faculty Advisory Committee (FAC).

# KENT STATE UNIVERSITY
# CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **30-Mar-17**    Curriculum Bulletin _____

Effective Date    **select one**    Approved by EPC _____

| | |
|---|---|
| Department | **Management & Information Systems** |
| College | **BU - Business Administration** |
| Degree | **MS - Master of Science** |
| Program Name | **Business Analytics**    Program Banner Code |
| Concentration(s) | Concentration(s) Banner Code(s) |
| Proposal | **Offer program fully online** |

Description of proposal:

**The purpose of the proposal is to deliver the Master of Science in Business Analytics program fully online for working adults and students who are geographical bound.**

Does proposed revision change program's total credit hours?    ☐ Yes    ☒ No
Current total credit hours: **30**        Proposed total credit hours **30**

Describe impact on other programs, policies or procedures (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

**The online delivery of the existing MSBA degree program is likely to grow enrollment in the program since students who cannot otherwise come to campus will have access to the program. using target marketing, the program would attractive to students who are limited by work or geography. The College of Business has hired two Educational Technologists to support the faculty in the development and delivery of courses in the program.**

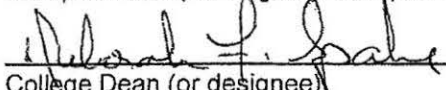Units consulted (other departments, programs or campuses affected by this proposal):
**Computer Sceince, IAKM, and COBA Graduate Faculty.**
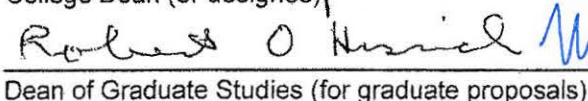
**REQUIRED ENDORSEMENTS**

_____    8 , 10 , 17
Department Chair / School Director

_____    __ / __ / __
Campus Dean (for Regional Campuses proposals)

_____    8 , 17 , 17
College Dean (or designee)

_____    8 , 17 , 17
Dean of Graduate Studies (for graduate proposals)

_____    __ / __ / __
Senior Vice President for Academic Affairs or Provost (or designee)

**Ohio** | **Department of Higher Education**

John R. Kasich, Governor
John Carey, Chancellor

## CHANGE REQUEST FORM
## ONLINE OR BLENDED/HYBRID DELIVERY

*This form must be used when a CCGS affiliated institution intends to deliver 50% or more of a previously approved degree program via electronic or other distance learning means.*

*CCGS institutions submitting requests for graduate programs should submit the request to Steve Nameth (snameth@highered.ohio.gov) and copy Matt Exline (mexline@highered.ohio.gov). Documents may be submitted as Microsoft Office documents (e.g., Word or Excel) or as PDF documents.*

Institution offering the degree program_____**Kent State University**_____

Degree designation (*e.g. M.S. in Biotechnology*)_____**M.S. in Business Analytics**_____

In order to make this request, please confirm that the program will satisfy the following criteria:

☒ Program will use Quality Matters or similar metric-driven online course design/assessment tools

☒ All instructors will be trained in offering online content and online assessments

☒ The offering university has an institutionally approved plan for securing authorizations to deliver distance learning content in other states (e.g., NC-SARA membership).

☒ The offering university has approved all online courses for this program as academically appropriate for graduate study

Is this degree program subject to approval/accreditation by a governing body beyond ODHE and HLC (e.g., CAEP, CCNE, ABET, AACSB)?

☐ No

☒ Yes (*If yes, please name the accrediting body here.*) **Association for the Advancement of Collegiate Schools of Business (AACSB)**

Does this degree program include the creation of original research or scholarship?

☒ No

☐ Yes (*If yes, please complete question 1 on the following Supplementary Information form.*)

Does this degree program include an experiential component (e.g., clinical or professional development experience)?

☐ No

☒ Yes (*If yes, please complete question 2 on the following Supplementary Information form.*)

Will the program be offered in partnership with a third-party commercial on-line service provider?

☒ No

☐ Yes (*If yes, please provide name of provider and their responsibilities [e.g., content creation, recruitment, admissions, advising]*)

Approximately what percentage of program content will be completed on-line? _____

*Signature of the official (Graduate Dean or equivalent) below confirms that the information above is accurate.*

_____*signature*    _____*date*

_____*name and title*

## SUPPLEMENTARY INFORMATION FORM

1.)    *A.* On a separate page, describe how program faculty will oversee and direct original research performed by students in the program. At a minimum, address the following areas:

- how students will gain access to required facilities and resources
- how students will be trained in necessary procedures
- how students will present their progress
- how the progress and quality of student projects will be assessed

Include any additional information needed to provide assurance that the quality of the research performed will be equivalent to the face-to-face offering of this degree.

*B.* On a separate page, describe how program faculty will mentor students, and how students will participate in the socialization that is necessary for the effective scholarly exchange of ideas at the level appropriate for the degree sought. At a minimum, address the following areas:

- how students will select a primary mentor and members of any required oversight committee
- frequency of any mandatory interactions between program faculty and students
- opportunities that exist for students to develop and refine ideas through scholarly exchange with faculty and others in the field
- career development opportunities will be provided

Include any additional information needed to provide assurance that student mentoring will be effective and assure professional competence and exposure in the field.

2.)    On a separate page, describe how professional or clinical experiences are implemented and assessed. At a minimum address the following areas:

- criteria for selecting the location(s) of such experiences
- qualifications of preceptors or faculty
- provide a list of competencies that will be evaluated
- assessment strategies used to evaluate student performance

Include any additional information needed to provide assurance that the quality of the experiential component will be equivalent to that of students who are overseen in local environments.

3

## Implementation and Assessment of Professional Experiences

Analytics is a data intensive/driven discipline. Often, the data sets are unstructured and require the analyst to apply complex tools and technologies to better understand, analyze, and most importantly, interpret the solutions.

When applied in business, data analysis invariably involves hands-on experiences. Students in the KSU-MSBA program acquire these experiences by working with industry practitioners through internships and capstone projects:

- *Criteria for Selecting Location of Such Experiences*
  The KSU College of Business Administration has a Career Service Office (CSO) that is dedicated to college of business students. Part of this office's responsibility is to connect our students with local businesses to explore semester project, internship, and employment opportunities. Other opportunities are presented when industry practitioners visit our campus as Guest Lecturers and/or attend recruitment or information fairs and discuss business analytics opportunities at their companies. Also, our faculty through their consulting activities and contacts with colleagues and local businesses provide further opportunities for locating professional experiences for our students.

  The major criteria for selecting locations for professional experience for our students include the relevance of the experience to business analytics, competency of industry mentors for the experience, and the mentors' ability to provide the required time and resources for the students.

- *Qualifications or Preceptors or Faculty*
  As required by our accrediting agency the AACSB, all professors teaching in the MSBA program must have a terminal degree, the Ph.D., in analytics or cognate disciplines. All faculty that would lead/supervise professional experience projects with our students meet this basic requirement, plus, they are active in the discipline through research, teaching and professional development activities. Our professors' counterpart is the industry practitioner who serves as preceptors to the students. He/she must be actively involved in the analytics profession and be willing to commit the time and resources required for a successful mentorship of our students to gain the professional experience.

- *List of Competencies to be Evaluated:*
  The list of competencies to be used to evaluate the students include:
    - Ability to define the analytics problem
    - Ability to analyze the analytics problem
    - Ability to propose solution(s) for the problem
    - Ability to compile a well-written report of the problem and solution
    - Ability to verbally communicate the problem and solutions to an audience of classmates, the professor, preceptor and industry executives

- ***Assessment Strategies Used to Evaluate Performance:***
  The following rubric will be used to evaluate each student's performance in the
  Professional Experience requirements part of the MSBA degree program. Students in the
  online program will be guided by the same faculty as in the local environment using the
  same syllabus and rubric. Furthermore, online students would have dedicated periods for
  chatting with faculty through Blackboard, and scheduled Skype and video conferences as
  necessary. Consequently, student experiences in both the local and online environments
  would be similar.

| | Very Good (4) | Fair (3) | Poor (2) | Very Poor (1) | Total |
|---|---|---|---|---|---|
| **Problem Definition** | | | | | |
| **Strength of the Introduction** | | | | | |
| **Appropriateness of the Solution Methodology** | | | | | |
| **Thoroughness of the Problem Analysis** | | | | | |
| **Visual/Eye Contact at Presentation** | | | | | |
| **Verbal Communication** | | | | | |
| **Use of Presentation Technologies** | | | | | |
| **Logical Flow & Organization of Ideas** | | | | | |
| **Use of Props During Presentation** | | | | | |
| | | | **Grand Total** | | |

# Ohio | **Board of Regents**
University System of Ohio

**John R. Kasich**, Governor
**John Carey**, Chancellor

## Change Request:
## Online or Blended/Hybrid Delivery

This form is to request authorization to deliver 50 percent or more of a degree/degree program that has previously been approved by the chancellor using an online or blended/hybrid[1] delivery model. The 50 percent marker excludes internships, clinical practicum, field experiences and student teaching.

**Date of submission:**　　　[August 10, 2017]

**Name of institution:**　　　Kent State University

**Degree/degree program to be offered using online or blended/hybrid delivery:**
[Master of Science] major within the [Business Analytics] degree

**Primary institutional contact for the request**
**Name:**　　　Therese E. Tillett
**Title:**　　　Director, Curriculum Services, Office of the Provost
**Phone number:**　　　330-672-8558
**E-mail:**　　　ttillet1@kent.edu

**Proposed start date:**　　　[Fall] [2018]

**Date that the request received final approval from the appropriate institutional committee:**
Approved by the Educational Policies Council,
a subcommittee of the Faculty Senate on [DATE]

**Institution has Higher Learning Commission approval for online or blended/hybrid delivery:**　　　Yes

**Educator preparation program that leads to licensure or endorsement:**　　　No

---

[1] For this document, the following definitions will be used:
**Online:** A course where most (80+ percent) of the content is delivered online and typically requires no face-to-face meetings.
**Blended/hybrid:** Course that blends online and on-ground/face-to-face delivery. Substantial proportion of the content is delivered online; typically uses online discussion and has a reduced number of face-to-face meetings.
**Web-facilitated:** Course that uses web-based technology to facilitate what is essentially a face-to-face course. Examples of this may be the instructor posting the syllabus or list of assignments on a web page or to a course management system, or requiring some quizzes to be taken via an online method.
**On-ground (aka traditional or face-to-face):** Course that uses little or no online technology, where content is primarily delivered orally or in writing. For this document, on-ground courses include those that are web-facilitated.

## 1. INSTITUTIONAL SUPPORT

**1.1 Describe the learning management system (LMS) that the institution will be using for its online or blended/hybrid course offerings.**

The Master of Science in Business Analytics (MSBA) is a 10 course, 30-credit hour program. Eight (8) of these courses are required while two (2) can be chosen from a list of recommended electives.

The primary LMS that will be used for the online course offerings is the Blackboard Learn (Bb Learn). Several Kent State courses and degree programs already use this system, and have been doing so for quite some time. Therefore, the institution has several years of experience using the system. Also, the system has strong support from its vendor plus, in-house support from the institution.

**1.2 Describe the institution's options and processes for students and faculty in need of ADA accommodations for online teaching and learning.**

The Kent State Student Accessibility Services (SAS) provides assistance to students and faculty with disabilities in order to help them maximize educational opportunities and their academic potential. Kent State provides a wide variety of assistance from templates to captioning and training for faculty to help prepare accessible courses, and works with vendors to ensure that their resources are accessible.

**1.3 Describe the technical and help desk support services available to students and faculty (hardware and software systems).**

Kent State manages a help desk support services for all its faculty and students. These services can be accessed by phone at (330) 672-HELP (4357), or online at **support.kent.edu.**

Other support services for Kent State University faculty, including Blackboard Learn tutorials; online tutoring through the Academic Success Center; online resources in Career Services Center; Online Academic Advising; Student Accessibility Services; Writing Commons; and other services for online students can be accessed from: https://onlinedegrees.kent.edu/support/student-services

Other support services for Kent State University faculty may be found at:
http://www.kent.edu/onlineteaching/support

**1.4 Explain the institution's policies and procedures related to ensuring the integrity of student work in online programs (e.g., for establishing student identity, for controlling the conditions of examinations, etc.).**

Kent State provides proctored testing either onsite, approved off-campus sites or through a software service, Proctor U, which provides remote test proctoring services.

**1.5 Indicate whether the institution has entered into a collaborative agreement with a 3<sup>rd</sup> party provider to provide content/curriculum or resources/services to support the**

delivery of the program. If so, indicate the parties involved, purpose and timeline of the agreement. Submit a copy of the agreement as an appendix item.

Kent State has not entered into agreement with any 3rd party provider to provide content/curriculum or resources/services to support the delivery of this program. The contents of the courses will be developed and delivered by the Kent State University faculty.

### 1.6 Have the appropriate accreditation agencies been informed of the proposed change?

The accrediting agencies for the proposed change is the Association for the Advancement of Collegiate Schools of Business (AACSB), International and The Higher Learning Commission (HLC), both of which will be notified of this proposed change following OBR's approval.

## 2. ADMINISTRATIVE AND STUDENT SUPPORT SERVICES

### 2.1 Describe how students in the online program will have access to the following services. Indicate how the services available to the online students are comparable to those available to students in the on-ground program:

- **Administrative services (admissions, financial aid, registration, student records)**
  Online students may access links to all online resources through:
  http://www.kent.edu/onlinelearning/students-getting-started-your-online-course

- **Advising regarding program planning and progress**
  Student advising will be provided via email, phone or Skype at gradbus@kent.edu

- **Library resources**
  Extensive options have long-existed for our part-time students who could not physically visit the library. These options will be available for the online MSBA students. Off campus access to electronic resources is provided through 'KSU Proxy' a service for off-campus and remote access to the University Libraries' electronic resources. Users can connect to databases, electronic journals, ebooks and streaming media services.
  http://www.library.kent.edu/help/connect-from-off-campus

- **Psycho-social counseling**
  Psycho-social counseling is done through Kent State Psychological Services. The website and contact information can be found at: http://www.kent.edu/psych. They offer 24 hour resources. Online students can telephone or email.

- **Career advising and Placement services**
  Kent State College of Business has an in-house Career Services Office (CSO) that is dedicated to offering advising and placement services to all majors in the college. The CSO augments the same services offered by the university and can be accessed by email or phone at http://www.kent.edu/business/careers.

**2.2 Describe the admission requirements for the online or blended/hybrid program. If these are different from those for the on-ground program, discuss the rationale for the differing requirements.**

Admission requirements are the same as that of the face-to-face MSBA degree program: Online application, application fee, official transcripts, 3 letters of recommendation, statement of goals and objectives, resume and GMAT/GRE. The GPA average is 3.0, and average test scores are 300 for GRE and 500 for GMAT. Also, for international applicants the TOEFL is required.

## 3. CURRICULUM

**3.1 Will the online or blended/hybrid program be offered <u>instead of</u> or <u>in addition to</u> the onsite program?**

The online program will be offered in addition to the onsite MSBA degree program.

**3.2 Indicate whether the online or blended/hybrid program is equivalent to the on-ground program (e.g., expected outcomes, number of credits, course availability, etc.). If there are differences, please explain.**

The online and on-ground programs are equivalent with respect to the curriculum, expected outcomes, and number of credit hours (30). The only difference between the programs is their modes of delivery.

**3.3 Describe how interaction (synchronous or asynchronous) between the instructor and the students and among the students is reflected in the design of the program and its courses.**

Interaction between instructors and the students and among the students is synchronous and asynchronous. The delivery of course materials is asynchronous while interaction between instructors and students, or mentors and students could be synchronous at set times for discussion groups or asynchronous through emails and other media.

Online courses will be designed according to the Kent State "Design to Teach" framework and Quality Matters standards. This design encourages a three-pronged approach to interaction: student-to-content; student-to-instructor; and student-to-student. Interaction between student and instructor is a fundamental concept of the design of all courses. Instructors provide continuous feedback and guidance using tools such as: discussion boards, announcements, synchronous video chat tools, podcasts, screen capture with audio narration, email and phone calls.

**3.4 Explain how students are supported and counseled to ensure that they have the skills and competencies to successfully complete the curriculum in an online learning environment.**

Support for online students is the same as for face-to-face students as far as the quality of the instructors and program, and interaction with faculty and mentors are concerned. However, due to the remoteness of the interaction between online learners and online education providers, coupled with the sometime inherent lack of assumed discipline and maturity online learners need

to be successful in online programs higher levels of support, counseling and interaction is an integral part of the proposed online program.

The quality of the online program is maintained by ensuring that faculty members who meet the qualification requirements of our accrediting agency, the AACSB, teach in both the face-to-face and online programs. Further, those faculty members who will teach in the online programs will be required to undergo certification on Quality Matters curriculum for online instruction. As a subject domain expect, these faculty members will work with the university's technology and communication experts to ensure that their online materials are appealing, easy to navigate and make liberal use of user-friendly and ubiquitous technologies. Further, instructors in the online program will be expected to embed tutorial modules and schedule chat periods for their courses where students could receive course assistance directly from the instructors synchronously.

The College has an in-house Career Services Office who will interact with students in the program and help with student advising. Other course administrative and management issues such as attendance, student progress, career advising, and timely communications will be coordinated by the program faculty.

## 3.5 Describe the evaluation systems used to measure the quality and effectiveness of the program delivered in an online or blended/hybrid format.

Kent State University has a well-established Student Survey of Instruction (SSI) instrument for evaluating all its courses in all its degree programs. However, for the proposed online MSBA degree program, a program specific evaluation system will be developed and implemented to assess the quality and effectiveness of the program. The purpose of this survey and measurement instrument will be to provide a holistic assessment of the program including the quality of the curriculum and its delivery, effectiveness of the mentoring and advising programs that is based around the following metrics, among others:

- The Curriculum:
  - ➢ Curriculum rigor
  - ➢ Faculty expertise
  - ➢ Curriculum pacing
  - ➢ Self-directedness

- The Mentor:
  - ➢ Understanding of student needs
  - ➢ Communication ability
  - ➢ Availability and receptivity to student needs
  - ➢ Personability
  - ➢ Understanding of course management
  - ➢ Knowledge of careers within the program

- The facilities:
  - ➢ Accessibility
  - ➢ Effectiveness
  - ➢ Reliability of delivery technologies
  - ➢ Use of ubiquitous technologies

Unlike the regular SSI for other KSU degree programs, this survey will be administered two times each semester of the first year of the program at the end of October and fall semester, and at the end of April and the spring semester to collect information that could help the university improve the program.

This program specific survey will also be adapted to measure the satisfaction of the students and their employers after graduation. The survey will include information such as employment statistics and time between graduation and employment, employers and their geographical locations, salary surveys, the most valuable parts of the curriculum, what is lacking in the curriculum that they wished the curriculum taught them, their propensity for recommending the program to their peers and friends, etc.

*3.6* **Using the chart below, please list the courses that make up the major/program and indicate whether they are delivered using an online, blended/hybrid or on-ground format (see definitions on first page). Identify all new courses (i.e., courses that are not a part of the approved, on-ground curriculum.)** *Please provide a syllabus for each new course as an appendix item.*

| Course | Online | On-ground (including web facilitated) | Blended/ hybrid | Course currently required in approved program | Comments (as needed) |
|---|---|---|---|---|---|
| CS 63015: Data Mining Techniques | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |
| CS 63016: Big Data Analytics | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |
| DSCI 61010: Enterprise Architecture | ■ | ■ | | Yes | **■**: Course offered online |
| DSCI 64210: Data Science | ■ | ■ | | Yes | **■**: Course offered online |
| ECON 62054; Econometrics | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |
| MIS 64036: Business Analytics | X | ■ | | Yes | **X**: Course to be offered online on proposal approval |
| MIS 64082: Database Management and Database Analytics | ■ | ■ | | Yes | **■**: Course offered online |
| MIS 64037: Advanced Data Mining and Predictive Analytics | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |
| MIS 64018: Quantitative Management Modeling | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |
| MIS 64038: Analytics in Practice | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |
| MIS 64098: Capstone in Business Analytics | X | ■ | | Yes | **X**: Course will be offered online on proposal approval |

| | | | | | |
|---|---|---|---|---|---|
| IAKM 60411: Clinical Analytics | ■ | ■ | | Yes | ■: Course offered online |
| MIS 64160: Leadership and Organizational Change | X | ■ | | Yes | X: Course will be offered online on proposal approval |
| MIS 64028: Global Supply Chain Business Models | ■ | ■ | | Yes | ■: Course offered online |
| KM 60370: Semantic Analysis Methods and Technologies | ■ | ■ | | Yes | ■: Course offered online |
| MIS 64011: Systems Simulation | ■ | ■ | | Yes | ■: Course offered online |
| MIS 64092: Internship in Business Analytics | X | ■ | | Yes | X: Course will be offered online on proposal approval |
| MKTG 65057: Marketing Research | X | ■ | | Yes | X: Course will be offered online on proposal approval |

## 4. FACULTY AND ADMINISTRATION

**4.1 Describe the duties of the individual who has major responsibility for the administration and coordination of the online or blended/hybrid program. Describe the qualifications of this individual for the oversight of a distance education program and provide this individual's CV as an appendix item.**

Responsibility for the administration and coordination of the online program will be shared by Dr. Felix Offodile, Chair of the M&IS Department, and the M&IS faculty in coordination with the staff of the Graduate Programs Office (GPO). Dr. Offodile has over 28 years of teaching experience that includes distance learning and BlackBoard Learn. Also, the college has hired a technology person to help the college faculty migrate into the online teaching delivery system. All faculty who will teach in the online degree program will be required to undergo training in Quality Matters curriculum for online instruction.

The college already has an online MBA degree program, and some of the faculty who teach in this program will also teach in the online MSBA degree program.

**4.2 Describe faculty members' responsibilities to the online or blended/hybrid program. In your response, indicate how faculty members' responsibilities to the online or blended/hybrid program affect their responsibilities to the on-ground program, including teaching load, advising, research/scholarship, and participation in faculty committees/governance. Are additional faculty members going to be hired to implement the online or blended/hybrid program? Will these faculty members participate in only the online or blended/hybrid program or will they participate in the on-ground program as well?**

The M&IS department has a strong faculty core who are teaching in the in-class MSBA degree program, plus a new faculty has been hired to join this faculty core starting fall 2017. This same faculty core will also have the responsibility for the delivery of the online version of the degree program. Typically, a tenure-track faculty member teaches 2-3 courses each semester while a non-tenure-track faculty teaches 3-4 courses each semester. Each faculty also has other responsibilities in research and service such as student advising. These responsibilities are not expected to change with the addition of the online MSBA degree program.

As required by our accrediting agencies, AACSB and HLC, each faculty member who will teach in the MSBA degree program will hold a PhD degree. They will be assisted in creating quality online courses that address the learning objectives of the degree program by a senior instructional designer who has an office in the College of Business building. This individual will establish the initial overall design and template that will be used in each course and assist each professor in designing his/her specific online course(s). The senior instructional designer will be available for any questions or problems that develop in the creation and delivery of the course. To help ensure the design quality of the course, each professor will be given the equivalence of 3-hour course credit to develop/adapt their courses to the online delivery mode using recommended Quality Matters online course design templates.

**4.3 Describe the mechanisms used to ensure that faculty members have the appropriate qualifications and support to teach successfully in an online environment. Include in your response the pedagogical and technical support provided for the design, production and management of online courses, as well as institutional support for all essential technology.**

Our faculty already have the course content expertise for the online courses and most have taught online courses before, and involved in the delivery of the online MBA degree program. Further, the College of Business has hired a Senior Instructional Designer and Quality Matters Coordinator, and one junior staff member to help faculty with the design of their online courses. There is a fulltime Senior IT User Support Analyst currently on staff. The technical staff will also work with the Office of Continuing and Distance Education for additional design, production and management support and future enhancements.

**4.4 Using the form below, provide the information requested for each member of the instructional staff. A faculty member must be identified for each course to be taught during the first two years of program delivery. If a faculty member has not yet been identified for a course, indicate that as an "open position" and describe the necessary qualifications in the matrix (as shown in the example below).** *A copy of each faculty member's CV must be included as an appendix item.*

| Name of instructor | Rank or title | Full-time / part-time | Terminal degree title, discipline on diploma, institution, year | Course instructor will teach in proposed program | Experience teaching distance education courses/ professional development in DL | Number of courses instructor will teach/year (include traditional and DL) |
|---|---|---|---|---|---|---|
| Alan Brandyberry | Associate Professor | FT | DBA, Operations Management, Southern Illinois University, 1995. | MIS 64082, 64092, 64098 | 5 | 4 |
| Pratim Datta | Associate Professor | FT | Ph.D., Information Systems, Louisiana State University, 2003 | MIS 64036 | 5 | 4 |
| Alfred Guiffrida | Associate Professor | FT | Ph.D., Operations Management, University at Buffalo, 2005. | MIS 64018 | 4 | 4 |
| Dong-Heon (Austin) Kwak | Assistant Professor | FT | Ph.D., Information Systems, University of Wisconsin-Milwaukee, 2014. | MIS 64036 | | 4 |
| Khuong Le-Nguyen | Assistant Professor | FT | Ph.D., Management, University of London, 2010. | CS 63015, MIS 64036, 64037, 64082 | 2 | 8 |
| Natalia Dragan | Assistant Professor | FT | Ph.D., Kent State University, 2010 | CS 63015, MIS 64036, 64037, 64038 | 3 | 8 |
| Butje Eddy Patuwo | Professor | FT | Ph.D., Industrial Engineering and Operations Research, Virginia Polytechnic Institute & State University, 1989. | MIS 64018, 64036 | 5 | 4 |
| Greta L. Polites | Associate Professor | FT | Ph.D., Information Systems, University of Georgia, 2009. | MIS 64036, 64082 | | 4 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Felix Offodile | Professor | FT | Ph.D. Industrial Engineering and Operations Research, Texas Tech University, 1984. | MIS 64018, 64036 | 8 | 2 |
| Murali Shanker | Professor | FT | Ph.D., Operations & Management Science, University of Minnesota, 1990. | CS 63016, MIS 64018, 64036, 64037, 64038, 64011 | 10 | 4 |
| Rouzbeh Razavi | Assistant Professor | FT | Ph.D. Computer Science, University of Essex, UK, 2008. | CS 63016, MIS 64036, 64037, 64038, 64092, 64098 | 4 | 4 |
| Ruoming Jin | Associate Professor | FT | Ph.D. Computer Science, The Ohio State University, 2005 | | | 4 |
| Xiang, Lian | Assistant Professor | PT | Ph.D. Computer Science, The Hong Kong University of Science and Technology, 2009 | | | 4 |

## APPENDICES

### Appendix Description

A: Letters of support from other programs. Computer Science, Library Science, COBA

B: Faculty Curricular Vitae

Kent State verifies that the information in this request is truthful and accurate.

Respectfully,

*signed after EPC*

Todd A. Diacon
Senior Vice President for Academic Affairs and Provost

APPENDIX A:

LETTERS OF SUPPORT

## OFFODILE, O. FELIX

| | |
|---|---|
| **From:** | OFFODILE, O. FELIX |
| **Sent:** | Wednesday, July 26, 2017 10:49 AM |
| **To:** | OFFODILE, O. FELIX |
| **Subject:** | Proposal to offer MSBA online |

-----Original Message-----
From: Javed I. Khan [mailto:javedkent@gmail.com]
Sent: Tuesday, July 25, 2017 1:43 PM
To: OFFODILE, O. FELIX <foffodil@kent.edu>
Cc: Hisrich, Robert <rhisric1@kent.edu>; HOGUE, MARY <mhogue@kent.edu>
Subject: Re: Proposal to offer MSBA online

Dear Felix,

We have reviewed your proposal for a fully online version of the Business Analytics program and we are glad to provide our support.  Dr.
Ruoming Jin and Dr. Lian will be associated faculty with both. Theres CVs in in next email.
We wish grand success for the program.

Regards,


-Javed.

1

## OFFODILE, O. FELIX

| | |
|---|---|
| **From:** | FRUIT, JEFFREY |
| **Sent:** | Wednesday, August 09, 2017 11:52 AM |
| **To:** | OFFODILE, O. FELIX |
| **Cc:** | ZINGRONE, CATHERINE; BURRITT, DEANNA |
| **Subject:** | Re: Proposal to offer MSBA online |
| **Attachments:** | 2017 COBA-MSBA Online.pdf |
| | |
| **Importance:** | High |

Hello Felix,

We have completed appropriate consultations and the School of Digital Sciences is supportive of moving the existing MSBA program online. Please let me or Deanna Burritt-Peffer know if you require further information.

Best wishes,

jf
--
Jeff Fruit
Interim Director, School of Digital Sciences
Professor, School of Journalism and Mass Communication
email: jfruit@kent.edu
Office Ph.: 330.672.0890


**From:** OFFODILE, O. FELIX
**Sent:** Wednesday, June 14, 2017 10:38 AM
**To:** FRUIT, JEFFREY
**Cc:** Hisrich, Robert; HOGUE, MARY
**Subject:** Proposal to offer MSBA online

Hi Jeff,

I hope this note finds you well and having a relaxing summer.

We are proposing an online version of our MSBA program and would like your support. Note that this is an existing program and all we are doing is offer it online. A copy of the proposal is attached.

We believe that this would complement some of your online courses too.

Please let me know if you have any questions or need anything else.

Thanks.

Felix
-------

1

# APPENDIX   A:

# FACULTY CURRICULAR VITAE

# Alan A. Brandyberry
Kent State University
Management and Information Systems
Business Administration Building A425
(330) 672-1146
Email: abrandyb@kent.edu

## Education

MS, Arizona State University, 1998.
    Major: Decision and Information Systems

MBA, Eastern Illinois University, 1996.

DBA, Southern Illinois University, 1995.
    Dissertation Title: Justification Methods for Computer Integrated Manufacturing and Advanced Manufacturing Technologies

BS, University of Illinois Urbana Champaign, 1985.
    Major: Engineering Mechanics

## Academic, Military and Professional Positions

### Academic

Associate Professor of Information Systems, Kent State University. (August 2008 - Present).

Assistant Professor of Information Systems, Kent State University. (June 2000 - August 2008).

Assistant Professor of Information Systems, University of Minnesota Duluth. (August 1998 - May 2000).

Associate Professor, Grand Canyon University. (August 1995 - May 1998).

Assistant Professor, Grand Canyon University. (August 1994 - August 1995).

Visiting Professor, Eastern Illinois University. (August 1993 - May 1994).

Instructor, Southern Illinois University Carbondale. (August 1992 - May 1993).

## Awards and Honors

### Research

2008 Distinguished Track Paper - Information Systems, Decision Sciences Institute. (November 2008).

# RESEARCH

## Published Intellectual Contributions

### Book Chapters

Liu, F., Brandyberry, A. A., Hogue, M., Polites, G. L., Wang, T. (2015). *Adopter-Based Determinants of Effort in Mobile App Information Search* . Trends and Research in the Decision Sciences: Best Papers from the 2015 Annual Conference.

Franquesa, J., Brandyberry, A. A. (2010). *The Role of Organizational Slack in Technology Innovation Adoption for SMEs* . Global Perspectives on Small and Medium Enterprises and Strategic Information Systems: International Approaches (also published in the International Journal of E-Business Research 2009).

### Refereed Journal Articles

Goeke, R., Faley, R., Brandyberry, A. A., Dow, K. E. (2016). How Experience and Expertise Affect the Use of a Complex Technology. *Information Resources Management Journal, 29*(2).

Nwankpa, J., Brandyberry, A. A., Guiffrida, A., Hu, M., Shanker, M. (2013). Understanding the Link Between Initial ERP Systems and ERP-Enabled Adoption. *Information Resources Management Journal, 26*(4), 18-39.

Ghosh, S., Troutt, M., Brandyberry, A. A. (2013). An RBV and Real Options-based Soft OR Heuristic for Solution Strategizing. *International Journal of Business Information Systems, 12*(4), 404-422.

Li, X., Troutt, M., Brandyberry, A. A., Wang, T. (2011). Decision Factors for the Adoption of Online Direct Sales Channels by SMEs. *Journal of the Association for Information Systems, 12*(1), 1-31.

Troutt, M., Gwebu, K., Wang, J., Brandyberry, A. A. (2011). Some Experiments on Subjective Optimisation. *International Journal of Operational Research, 12*(1), 79-103.

Anokhin, S., Troutt, M., Wincent, J., Brandyberry, A. A. (2010). Measuring Arbitrage Opportunities: A Minimum Performance Inefficiency Estimation Technique. *Organizational Research Methods, 13*(1), 55-66.

Griffin, A., Brandyberry, A. A. (2010). System Development Methodology Usage in Industry: A Review and Analysis. *Journal of Information Systems Applied Research (also published as conference proceeding - CONISAR 2008), 3*(19), 3-18.

Franquesa, J., Brandyberry, A. A. (2009). Organizational Slack and Information Technology Innovation Adoption in SMEs. *International Journal of E-Business Research, 5*(1), 25-48.

Troutt, M., Brandyberry, A. A., Sohn, C., Tadisina, S. (2008). Linear programming system identification: The general nonnegative parameters case. *European Journal of Operational Research - Online, 185*(1), 63-75.

Troutt, M., Ehie, I., Brandyberry, A. A. (2007). Maximally Productive Input-Output Units. *European Journal of Operational Research, 178*(2), 359-373.

DeHondt, G., Brandyberry, A. A. (2007). Programming in the eXtreme: Critical Characteristics of Agile Implementations. *e-Informatica Software Engineering Journal, 1*(1), 43-58.

Brandyberry, A. A., Bakke, S. (2006). Mitigating Negative Behaviors in Student Project Teams: An Information Technology Solution. *Journal of Information Systems Education, 17*(2), 195-210.

Troutt, M., Tadisina, S. K., Sohn, C., Brandyberry, A. A. (2005). Linear Programming System Identification. *European Journal of Operational Research, 161*(3), 663-672.

Brandyberry, A. A. (2003). Determinants of Adoption for Organizational Innovations Approaching Saturation. *European Journal of Innovation Management, 6*(3), 150 - 158.

Lee, S., Brandyberry, A. A. (2003). The E-Tailer's Dilemma. *The DATABASE for Advancement of Information Systems, 34*(2).

Brandyberry, A. A., Pardue, H. (2001). The Effectiveness of Computer-Based 'Game-Show' Formats in Survey Courses: A Quasi-Experiment. *Journal of Information Systems Education, 12*(2), 109-116.

## Conference Proceedings

Liu, F., Brandyberry, A. A., Polites, G. L., Hogue, M., Wang, T. (2016). *A Study of the Effects of Social Factors and Innovation Characteristics on Search Effort and Uncertainty in Mobile App Adoption.* Proceedings of the 2016 Hawaii International Conference on System Sciences.

Liu, F., Brandyberry, A. A., Hogue, M., Polites, G. L., Wang, T. (2015). *The Effects of Decision-Maker Characteristics on Search Effort in Mobile Application Adoption.* Proceedings of the Decision Sciences Institute 2015 Conference.

Liu, F., Brandyberry, A. A. (2014). *Exploring the Effects of Aggregate Review Characteristics on Mobile Application Adoption.* Proceedings if the International Conference on Information Systems (ICIS) 2014 Annual Meeting.

Brandyberry, A. A., Ghosh, S., Trainor, K. J. (2013). *A Whole Product Vector Model of Adoption of Contemporary Consumer Technology Products.* Proceedings of the Decision Sciences Institute 2013 Conference.

Ghosh, S., Brandyberry, A. A. (2012). *Integrating RO and the RBV into a Strategic IT Decision-Making Model - An Interpretive Hermeneutic Approach* (pp. 47401-47406). Proceedings of the 2012 Decision Sciences Institute Annual Meeting.

Brandyberry, A. A. (2011). *A Conceptual Framework for Sequential Organizational Technology Adoption with Dynamic Goal and Action Portfolios.* Proceedings of the 2011 Americas Conference on Information Systems (AMCIS).

Brandyberry, A. A. (2011). *On Goal-Striving as a Means for Investigating the Technology Adoption Process.* Proceedings of the 2011 Northeast Decision Sciences Conference.

Brandyberry, A. A., Li, X., Lin, L. (2010). *Determinants of Perceived Usefulness and Perceived Ease of Use in Individual Adoption of Social Network Sites* (vol. Paper 544). Americas Conference on Information Systems (AMCIS) 2010 Proceedings.

Ghosh, S., Brandyberry, A. A., Troutt, M. (2009). *Uncertainty and Enterprise Integration -- A Real Options View.* Proceedings of the 2009 AMCIS Conference.

Roumani, Y., Brandyberry, A. A., Fay, B., Nwankpa, J. (2009). *Exploring the Impact of Tangible Extrinsic Rewards on the Initial Trial of a Technology*. Decision Science Institute Conference Proceedings: DSI.

Griffin, A., Brandyberry, A. A. (2008). *System development methodology usage in industry: A review and analysis*. Proceedings of the Conference on Information Systems Applied Research (also published as journal article: J. of Information Systems Applied Research).

Franquesa, J., Brandyberry, A. A. (2008). *Organizational Slack and Information Technology Innovation Adoption in SMEs*. Proceedings of the Decision Sciences Institute 2008 National Conference.

Goeke, R., Faley, R., Dow, K. E., Brandyberry, A. A. (2008). *Why experience may not matter in data warehousing: The role of expertise*. Proceedings of the Decision Sciences Institute 2008 National Conference.

Goeke, R., Faley, R., Dow, K. E., Brandyberry, A. A. (2008). *Why experience may not matter in data warehousing: The role of expertise*. Proceedings of the Decision Sciences Institute 2008 National Conference.

Brandyberry, A. A. (2008). *Exploring the Effects of Personal Levels of Depression and Anger on Individual Online Social Network Activities*. 2008 International Conference on Information Resources Management.

Brandyberry, A. A., Bakes, C. M. (2007). *Information Systems Internships: Student Perceptions and Outcomes*. 2007 IRMA International Conference.

DeHondt, G., Brandyberry, A. A. (2006). *Programming in the Extreme: Suitable Implementations of Agile Methodologies* . Proceedings of the Decision Sciences Institute 2006 National Conference.

Li, L. X., Troutt, M., Brandyberry, A. A. (2005). *Critical Factors Affecting Adoption of Internet-Based E-Commerce Among Small Manufacturing Enterprises (SMEs) in China*. Proceedings of the Association for Global Business, Miami Beach, Florida.

Bakke, S., Faley, R., Brandyberry, A. A., Troutt, M. (2005). *The Impact of Privacy Concerns on the Use of Information Technologies: A Preliminary Conceptual Model*. Proceedings of the Americas Conference on Information Systems (AMCIS), Omaha, NE.

Zhu, X. D., Brandyberry, A. A. (2005). *Towards Centralized Control and Autonomous Discovery and Data Retrieval of Distributed Heterogeneous Databases: A Conceptual Framework for Federated Database Systems*. Proceedings of the IRMA (The Information Resources Management Association) National Meeting.

Wang, J., Brandyberry, A. A. (2003). *A Decision Framework for the Evaluation of Nanotechnology Investment Strategies*. Proceedings of the Decision Sciences Institute 2003 Annual Meeting.

Smith, A. D., Troutt, M. D., Brandyberry, A. A. (2001). *Authentication and Security Issues Associated with Automatic Identification and Data Capture Technologies*. Proceedings of the Decision Sciences Institute 2001 Annual Meeting.

Brandyberry, A. A. (2000). *Determinants of Adoption and Implementation of Interorganizational Electronic Commerce Applications and Technologies: An Empirical Study*. Proceedings of the Western Decision Sciences Institute 2000 Annual Meeting.

## Contracts, Grants and Sponsored Research

### Other

Brandyberry, A. A., Ghosh, S., Li, L. X., Lin, L., Trainor, K., "Technology Acceptance Surveys," Sponsored by University Research Council, Kent State University, $2,500.00. (October 2006 - Present).

Brandyberry, A. A., "Determinants of Organizational Innovation: A Meta-Analysis," Sponsored by University Research Council - Summer Research Grant, Kent State University, $6,500.00. (June 2004 - August 2004).

## Presentations Given

Liu, F., Brandyberry, A. A., Polites, G. L., Hogue, M., Wang, T., 2016 Hawaii International Conference on System Sciences, "A Study of the Effects of Social Factors and Innovation Characteristics on Search Effort and Uncertainty in Mobile App Adoption," Kauai, Hawaii. (January 2016).

Liu, F., Brandyberry, A. A., Hogue, M., Polites, G. L., Wang, T., 2015 DSI Annual Meeting, "Adopter-Based Determinants of Effort in Mobile App Information Search," Decision Science Institute, Seattle. (November 2015).

Brandyberry, A. A., Joint CORS/INFORMS International Conference, "Implementing an Analytics Curriculum: Perils, Pitfalls, Opportunities, and Strategies," Montreal, Canada. (June 17, 2015).

Brandyberry, A. A. (Presenter & Author), Liu, F. (Author Only), International Conference for Information Systems (ICIS 2014), "Exploring the Effects of Aggregate Review Characteristics on Mobile Application Adoption," Association for Information Systems (AIS), Auckland, New Zealand. (December 16, 2014).

Brandyberry, A. A., Hill, G. A., Decision Sciences Institute 2014 National Conference, "Understanding the Effects of Multiple Goal Activation upon Underlying Focal Goal Performance in Individual Decision-Making Contexts," Decision Sciences Institute, Baltimore. (November 2014).

Ghosh, S., Brandyberry, A. A., Trainor, K. J., Decision Sciences Institute 2013 Annual Conference, "A Whole Product Vector Model of Adoption of Contemporary Consumer Technology Products," Decision Sciences Institute, Baltimore, MD. (November 2013).

Ghosh, S., Brandyberry, A. A., 2012 Decision Sciences Institute Annual Meeting, "Integrating RO and the RBV into a Strategic IT Decision-Making Model - An Interpretive Hermeneutic Approach," Decision Sciences Institute, San Francisco, CA. (November 2012).

Brandyberry, A. A., DMSA, "Conference Strategies," DMSA, Kent State. (March 15, 2012).

Bozan, K., Brandyberry, A. A., Gandarvakottai, R., Gopalakrishna Remani, V., 2011 Decision Sciences Institute Annual Meeting, "An Investigation of the Effects of Online Product Reviews on Individual Technology Adoption Decisions," Boston. (November 2011).

Brandyberry, A. A., 2011 Americas Conference on Information Systems (AMCIS), "A Conceptual Framework for Sequential Organizational Technology Adoption with Dynamic Goal and Action Portfolios," AIS, Detroit. (August 2011).

Brandyberry, A. A., 2011 International Conference on Information Management and Evaluation (ICIME), "A Goal-Striving Framework for Technology Acceptance," Toronto, Canada. (April 2011).

Brandyberry, A. A., 2011 Northeast Decision Sciences Conference, "On Goal-Striving as a Means for Investigating the Technology Adoption Process," Montreal, Canada. (April 2011).

Brandyberry, A. A., 2010 Decision Sciences Institute Annual Conference, "Cultural and Other Demographic Influences on Individual Internet Usage," San Diego. (November 2010).

Brandyberry, A. A., Li, X. (Author Only), Lin, L. (Author Only), 2010 Americas Conference on Information Systems (AMCIS), "Determinants of Perceived Usefulness and Perceived Ease of Use in Individual Adoption of Social Network Sites," Lima, Peru. (August 14, 2010).

Brandyberry, A. A., 2010 Midwest Decision Sciences Institute Annual Conference, "Studying the Efficacy of Dropping the Linearity Assumption in Component-Based Structural Equation Modeling," Toledo, OH. (April 24, 2010).

Brandyberry, A. A., College Recruiting Program. (February 15, 2010).

Brandyberry, A. A., Fay, B., Nwankpa, J., Roumani, Y., 2009 Decision Sciences Institute Annual Conference, "Exploring the Impact of Tangible Extrinsic Rewards on the Initial Trial of a Technology," Decision Sciences Institute, New Orleans. (November 2009).

Brandyberry, A. A., Liu, F., Ngniatedema, T., Schramm, M., 2009 Decision Sciences Institute Annual Conference, "Exploring the Salience of Relative Preference versus Absolute Attitude in Technology Acceptance Decisions," Decision Sciences Institute, New Orleans. (November 2009).

Brandyberry, A. A., Offodile, F., Smith, A., 2009 Decision Sciences Institute Annual Conference, "Exploring Threats to New Product Development, Manufacturability, and Development Team Processes within Smart Card-Related Industries," Decision Sciences Institute, New Orleans. (November 2009).

Lin, L., Troutt, M., Brandyberry, A. A. (Presenter & Author), Wang, T., 2009 Decision Sciences Institute Annual Conference, "Relationship Marketing in Information Systems Projects," New Orleans. (November 2009).

Ghosh, S., Brandyberry, A. A., Troutt, M., 2009 Americas Conference on Information Systems (AMCIS), "Uncertainty and Enterprise Integration – A Real Options View," San Fransisco. (August 2009).

Brandyberry, A. A., Shanker, M., Troutt, M., 2009 CORS/INFORMS, "On the Usage of PLS Versus SEM in Technology Adoption Research: A Comparative Simulation," Toronto. (June 14, 2009).

Brandyberry, A. A. (Presenter & Author), 2009 Midwest Decision Sciences Institute Annual Conference, "The Effects Of Depression On Internet Usage And E-Commerce Adoption," MWDSI, Oxford, OH. (April 2009).

Griffin, A. (Presenter & Author), Brandyberry, A. A. (Author Only), 2008 Annual Conference on Information Systems Applied Research, "System development methodology usage in industry: a review and analysis," The Education Special Interest Group of AITP, Phoenix, AZ. (November 2008).

Franquesa, J. (Presenter & Author), Brandyberry, A. A. (Author Only), 39th Annual Meeting of the Decisions Sciences Institute, "Organizational Slack and Information Technology Innovation Adoption in SMEs," Baltimore, MD. (November 23, 2008).

Ngniatedema, T., Brandyberry, A. A., 2008 INFORMS Annual Meeting, "Virtual Databases for Manufacturing Innovation," INFORMS, Washington D.C. (October 15, 2008).

Brandyberry, A. A., 2008 International Conference on Information Resources Management, "Exploring the Effects of Personal Levels of Depression and Anger on Individual Online Social Network Activities," Conf-IRM, Niagara Falls, Canada. (May 2008).

Brandyberry, A. A., Ghosh, S., Trainor, K., 2007 Decision Sciences Institute Annual Conference, "A "Whole Product" Vector Approach to Technology Adoption," Decision Sciences Institute, Phoenix, AZ. (November 2007).

Brandyberry, A. A., Li, L. X., Lin, L., 2007 Decision Sciences Institute Annual Conference, "Online Social Communities: Investigating Usage, Behavior, and Motivation," Decision Sciences Institute, Phoenix, AZ. (November 2007).

Brandyberry, A. A., 2007 Decision Sciences Institute Annual Conference, "The Decision to Pursue an Internship: An Application of the Theory of Planned Behavior," Decision Sciences Institute, Phoenix, AZ. (November 2007).

Brandyberry, A. A. (Presenter & Author), Bakes, C. M. (Author Only), 2007 Information Resources Management Association International Conference, "Information Systems Internships: Perceptions and Outcomes," Information Resources Management Association, Vancouver, B.C., Canada. (May 2007).

Brandyberry, A. A. (Discussant), Kent State University Graduate Student Senate Research Colloquium. (March 3, 2007).

DeHondt, G. (Presenter & Author), Brandyberry, A. A., 2006 Decision Science Institute Annual Conference, "Programming in the eXtreme:   Suitable Implementations of Agile Methodologies," Decision Sciences Institute, San Antonio, TX. (November 19, 2006).

Faley, R., Bakke, S., Brandyberry, A. A., Troutt, M., Presented at the Eleventh Americas Conference on Information Systems, "The impact of privacy concerns on the use of information technologies: A preliminary conceptual model.," Omaha, Nebraska. (2005).

Brandyberry, A. A. (Presenter & Author), Gharaibeh, R. (Author Only), Hao, W. (Author Only), Lin, L. (Author Only), Shea, V. (Author Only), Wang, J. (Author Only), Decision Sciences Institute Annual Meeting, "Database Research: An Extensive Review and Qualitative Meta-Analysis," Decision Sciences Institute, San Francisco, CA. (November 2005).

Brandyberry, A. A. (Presenter & Author), Zhu, D. (Presenter & Author), 2005 Information Resources Management Association (IRMA) International Conference, "Towards Centralized Control and Autonomous Discovery and Data Retrieval of Distributed Heterogeneous Databases: A Conceptual Framework for Federated Database Systems," Information Resources Management Association, San Diego, CA. (May 2005).

Brandyberry, A. A. (Presenter & Author), Presented at the Decision Sciences Institute Annual Meeting, "Determinants of Organizational Adoption of Technological Innovations: A Meta-Analysis," Decision Sciences Institute, Miami. (November 2004).

Wang, J., Brandyberry, A. A., 2003 Decision Sciences Institute Annual Conference, "A Decision Framework for the Evaluation of Nanotechnology Investment Strategies," Decision Science Institute. (November 2003).

Brandyberry, A. A. (Presenter & Author), Smith, A. (Author Only), Presented at the Decision Sciences Institute Annual Meeting, "Residential Internet-Based Applications: Rediscovering Broadband Potentials.," Decision Sciences Institute, Washington D.C. (November 2003).

Brandyberry, A. A. (Presenter & Author), Bakke, S. (Presenter & Author), Presented at the Decision Sciences Institute Annual Meeting, "Utilizing Computer Technology to Assist in the Management of Student Group Projects.," Decision Sciences Institute, San Diego. (November 2002).

Brandyberry, A. A. (Presenter & Author), Presented at the International Federation of Operational Research Societies Annual Meeting, "An Examination of Queuing Theory in Electronic Commerce Systems.," Internatinal Federation of Operations Research Societies, Edinburgh, Scotland. (July 2002).

Smith, A., Troutt, M., Brandyberry, A. A., 2001 Decision Sciences Institute Annual Conference, "Authentication and Security Issues Associated with Automatic Identification and Data Capture Technologies." (November 2001).

Smith, A., Brandyberry, A. A., Troutt, M., Annual Meeting of the Decision Sciences Institute, "Authentication & security issues associated with automatic identification & Data Capture Technologies," San Francisco, CA. (November 2001).

Brandyberry, A. A. (Presenter & Author), Presented at the Decision Sciences Institute Annual Meeting, "Organizational Characteristics and Computer-Aided Design Adoption.," Decision Sciences Institute, San Francisco. (November 2001).

Brandyberry, A. A., 2000 Western Decision Sciences Institute Annual Conference, "Determinants of Adoption and Implementation of Interorganizational Electronic Commerce Applications and Technologies:   An Empirical Study." (2000).

## Research Currently in Progress

A "Whole Product" Vector Approach to Technology Adoption. Data Analysis. With S. Ghosh, K. Trainor.

A Decision Framework for the Evaluation of Nanotechnology Investment Strategies. With J. Wang. Working Paper

Business Internships: An Application of the Theory of Planned Behavior.   Data Analysis. Sole Authored.

Critical Factors Affecting Adoption of Internet-Based E-Commerce Among Small Manufacturing Enterprises (SMEs) in China.   With X. Li, M. Troutt. Working Paper.

Database Research: An Extensive Review and Qualitative Meta-Analysis. Data Collection.

Online Social Communities: Investigating Usage, Behavior, and Motivation. Data Analysis. With X. Li, L. Lin.

Student Perceptions of Information Systems Internships.

The Effects of Expertise and Experience on Data Warehousing Adoption. Working Paper. With R. Goeke, R. Faley, K. Dow.

# TEACHING

## Teaching Experience

### Kent State University
HONR 64042, MGMT INFORMATION SYSTEMS, 1 course.
MIS 34070, PROGRAMMING THEORY AND APPS, 1 course.
MIS 44043, DATABASE MANAGEMENT SYSTEMS, 20 courses.
MIS 44044, SYSTEMS ANALYSIS II, 9 courses.
MIS 44292, BUSINESS EXPERIENCE AND INTERN, 12 courses.
MIS 60095, ST: DATA BASE MANAGEMENT, 2 courses.
MIS 64042, GLOBAL TECHNOLOGY STRATEGY, 13 courses.
MIS 64080, EMERGING HW AND SW TECH, 11 courses.
MIS 64082, DATABASE MANAGEMENT/ANALYTICS, 12 courses.
MIS 64096, Database Management Systems, 1 course.
MIS 74082, DATABASE MANAGEMENT SYSTEMS, 2 courses.
MIS 84080, INNOVATION, ADOPT, DIFFUSION, 8 courses.
MIS 84082, DATABASE MANAGEMENT SYSTEMS, 5 courses.
MIS 84112, RESEARCH METHODOLOGY, 1 course.

## Directed Student Learning

Dissertation Committee Member, "Selecting Web Services Based on Quality Semantics." (March 9, 2016 - Present).
Advised: Amany Alnahdi

Dissertation Committee Chair, "TBA: Information Systems Success: The organizational culture context," Management and Information Systems. (August 1, 2014 - Present).
Advised: Candice Vander Weerdt

Dissertation Graduate Faculty Representative, "A New Approach to Dynamic Integrity Control." (March 15, 2016 - April 8, 2016).
Advised: Talal Albalawi

Dissertation Committee Member, "Ontology-based Approaches to Improve RDF Triple Store." (2014 - December 7, 2015).
Advised: Saleh Albahli

Dissertation Committee Member, "NEAR NEIGHBOR EXPLORATIONS FOR KEYWORD-BASED SEMANTIC SEARCHES USING RDF SUMMARY GRAPH." (August 2013 - November 9, 2015).
Advised: Serkan Ayvaz

Dissertation Committee Member, "ONTOLOGY DESIGN PATTERNS WITH APPLICATIONS TO SOFTWARE MEASUREMENT." (2014 - November 6, 2015).
Advised: Mazen Al-Zyoud

Dissertation Committee Member, "Developing a Semantic Framework for Healthcare Information Interoperability." (August 2013 - October 23, 2015).
Advised: Mehmet Aydar

Dissertation Committee Member, "WEB LINKAGE VIA LEARNING INHERENT SEMANTICS AND EVOLUTION OF ONTOLOGIES." (June 2013 - August 10, 2015).
Advised: Abdulelah Algosaibi

Undergraduate Honors Thesis, "Database Application Project," Management and Information Systems. (August 28, 2014 - December 15, 2014).
Advised: Michael Bailey

Dissertation Committee Chair, "Informational Cascades in Mobile Application Adoption: A Study of the Effects of Review, Social and Adopter Characteristics," Management and Information Systems. (April 2010 - September 2014).
Advised: Fengkun Liu

Dissertation Committee Chair, "The Implications of Real Options on ERP-enabled Adoption," Management and Information Systems. (2010 - March 2012).
Advised: Joseph Nwankpa

Dissertation Committee Chair, "Predicting Vulnerability Risks Based on Software Characteristics," Management and Information Systems. (2010 - March 2012).
Advised: Yaman Roumani

Dissertation Committee Member, "An Analysis of the Effect of Information Activism on Capital Markets: Analysts' Reactions and Investor Behavior," Management and Information Systems. (February 2010 - May 2011).
Advised: Laura Rickett

Dissertation Committee Member, "Consonance in Information System Projects: A Relationship Marketing Perspective," Management and Information Systems. (2007 - November 2010).
Advised: Pei-Ying (Laura) Lin

Dissertation Committee Member, "A Seasonal Supply Chain Reorder Decision Support Model," Management and Information Systems. (April 2008 - September 2010).
Advised: Susan Horne

Undergraduate Honors Thesis, "Teaching Notes of Implementing Extreme Programming Techniques in Undergraduate Projects." (January 2010 - May 2010).
Advised: Arnaud Cabore

Dissertation Committee Member, "An examination of the long-term business value of specific investments in information technology using regression discontinuity methodology," Accounting. (January 2009 - January 2010).
Advised: Vincent Shea

Dissertation Committee Member, "An analysis of the effectiveness of offshore systems development," Management and Information Systems. (2007 - 2009).
Advised: Gerald DeHondt

Dissertation Committee Chair, "An analysis of the effectiveness of offshore systems development," Management and Information Systems. (May 2009 - August 2009).
Advised: Gerald DeHondt

Dissertation Committee Member, "Essays on emerging practitioner-relevant theories and methods for the valuation of technology," Management and Information Systems. (April 2008 - June 2009).
Advised: Suvankar Ghosh

Dissertation Committee Member, "Measuring the Impact of Enterprise Resource Planning (ERP) Systems Through the Prism of Accounting Theory," Accounting. (January 2007 - February 2009).
Advised: John Morris

Dissertation Committee Member, Management and Information Systems. (January 2007 - June 26, 2008).
Advised: Xiaolin Li

Dissertation Committee Co-chair, "Examining the Decision Process and Outcomes of System Development Methodology Adoption," Management and Information Systems. (January 2007 - January 28, 2008).
Advised: Audrey Griffin

Dissertation Committee Member, Management and Information Systems. (2005 - 2006).
Advised: Richard Goeke

Dissertation Committee Co-chair, Management and Information Systems. (2004 - April 2006).
Advised: Sharen Bakke

Dissertation Committee Member, Management and Information Systems. (2003 - 2004).
Advised: Alan Smith

# SERVICE

## Editorial and Review Activities

Ad Hoc Reviewer, "Proceedings of the 2011 AMCIS Meeting," AIS. (April 2011 - May 2011).

Ad Hoc Reviewer, "Database Processing 12e (textbook proposal) by Kroenke/Auer." (October 1, 2010 - October 20, 2010).

Ad Hoc Reviewer, "Overcoming challenges for managing IT innovations in non-IT companies," Americas Conference on Information Systems 2010. (March 2010 - April 2010).

Ad Hoc Reviewer, "Rethink of Task-Technology Fit Theory: The Moderation Effect of Individual Characteristics on Technology Evaluation," Americas Conference on Information Systems 2010. (March 2010 - April 2010).

Ad Hoc Reviewer, "SaaS Adoption by Small and Medium Firms: Promoting New Institutional Practices," Journal of Information Technology Theory and Application (JITTA). (August 2009 - November 7, 2009).

Ad Hoc Reviewer, "On Some Methods for Performance Ranking and Correspondence Analysis in the DEA Context," European Journal of Operational Research. (June 24, 2009 - August 19, 2009).

Ad Hoc Reviewer, "Designing Computer Supported Collaborative Work around Knowledge Flows," 2009 Decision Sciences Institute Annual Conference. (April 2009 - June 2009).

Ad Hoc Reviewer, "Information Sharing with Suppliers to Improve Mass Customization Capability: A Trust Perspective," 2009 Decision Sciences Institute Annual Conference. (April 2009 - June 2009).

Ad Hoc Reviewer, "An Information Technology Project Funding Process," Conference on Information Systems Applied Research (CONISAR) 2008. (September 1, 2008 - September 30, 2008).

Ad Hoc Reviewer, "Test Driven Development in the .Net Framework," Conference on Information Systems Applied Research (CONISAR) 2008. (September 1, 2008 - September 30, 2008).

Invited Manuscript Reviewer, "Journal of Strategic Information Systems." (2005).

## General Service

### College

Advisor for MBA students with IS concentration. (2002 - Present).

Committee Member, Graduate School MBA Sub-Committee. (August 2005 - September 2011).

Answered questions at table for potential students, IT/IS Career Expo. (March 23, 2010).

Attendee, Meeting, PMBA Subcommittee. (October 20, 2008).

Committee Member, Ad Hoc Reappointment Committee for Economics Department. (September 9, 2008 - September 24, 2008).

Committee Member, Ad-Hoc Department Chair Review Committee. (February 2006 - April 2006).

### Department

Committee Chair, MSBA Curriculum Committee. (January 1, 2016 - Present).

MSBA Degree Program Coordinator (Interim). (January 1, 2016 - Present).

Committee Chair, Center for Information Systems Internship Subcommittee. (August 2004 - Present).

CIS Internship Coordinator, Internship Program. (August 2004 - Present).

Committee Member, Center for Information Systems. (2000 - Present).

Regularly write and grade comprehensive examinations, PhD Program. (2000 - Present).

Committee Chair, Masters in IS/Analytics Exploratory Committee. (August 26, 2013 - February 17, 2016).

Committee Member, Ph.D. Program Review Committee. (January 2007 - 2008).

Committee Member, Faculty Advisory Committee. (August 2005 - May 2007).

Committee Member, Ad-Hoc Appeal Committee for Jill Young. (January 2007 - April 2007).

**Professional**

Conference Program Organizer, Midwest Association for Information Systems 2012 Conference. (March 2010 - May 2012).

Conference Session Chair, 2010 Midwest Decision Sciences Institute. (April 24, 2010).

Conference Session Chair, 2009 Decision Sciences Institute Annual Meeting. (November 2009).

Conference Reviewer, Decision Sciences Institute. (April 2009 - May 2009).

Conference Session Chair, 2009 Midwest Decision Sciences Institute. (March 2009).

Tenure Reviewer for Another Institution, University of Akron. (April 17, 2008 - September 24, 2008).

**Student Organization**

Practice Judge, Molson Case Competition. (December 7, 2007).

**University**

Committee Member, Online SSI Committee. (August 16, 2013 - Present).

Committee Member, Digital Sciences School Curriculum Committee. (April 2011 - Present).

Committee Member, University Research Council. (August 2006 - May 2009).

Committee Chair, Ad Hoc (URC) committee to review proposals for summer/AY research appointments. (October 2008 - December 2008).

Committee Chair, Ad Hoc (URC) committee to review proposals for summer/AY research appointments. (October 2007 - December 2007).

Committee Chair, University Research Council. (May 2007 - August 2007).

Attendee, Convocation, KSU Convocation. (August 23, 2007).

Committee Chair, Ad Hoc (URC) committee to review proposals for summer/AY research appointments. (October 2006 - December 2006).

Committee Member, University Research Council. (August 2005 - May 2006).

# OTHER

## Professional Memberships

Association for Information Systems. (2007 - Present).

Decision Sciences Institute. (1988 - Present).

The Institute for Operations Research and the Management Sciences (INFORMS). (1988 - Present).

## Development Activities Attended

Attended Conference, "Decision Sciences Institute National Conference," Decision Sciences Institute, Boston. (November 2011).

Attended Conference, "AMCIS 2011," AMCIS, Detroit, MI. (August 2011).

Attended Conference, "International Conference on Information Management and Evaluation (ICIME)," Toronto, Canada. (April 2011).

Attended Conference, "Northeast Decision Sciences Institute National Conference," Northeast Decision Sciences Institute, Montreal, Canada. (April 2011).

Attended Conference, "Decision Sciences Institute National Conference," Decision Sciences Institute, San Diego. (November 2010).

Attended Conference, "AMCIS 2010," AMCIS, Lima, Peru. (August 2010).

Attended Conference, "Midwest Decision Sciences Institute National Conference," Midwest Decision Sciences Institute, Toledo, OH. (March 2010).

Attended Conference, "Decision Sciences Institute National Conference," Decision Sciences Institute, New Orleans. (November 2009).

Attended Conference, "AMCIS 2009," AMCIS, San Fransisco. (August 2009).

Attended Conference, "INFORMS/CORS 2009," INFORMS/CORS, Toronto. (June 2009).

Attended Conference, "Midwest Decision Sciences Institute National Conference," Midwest Decision Sciences Institute, Oxford, OH. (March 2009).

Attended Conference, "Decision Sciences Institute National Conference," Decision Sciences Institute, Baltimore. (November 2008).

Attended Conference, "International Conference on Information Resources Management," Conf-IRM. (May 2008).

Attended Conference, "Decision Science Institute National Conference." (November 2007).

Attended Conference, "Information Resources Management Association International Conference." (May 2007).

Attended Conference, "Decision Science Institute National Conference." (November 2006).

Attended Conference, "Decision Science Institute National Conference," Decision Sciences Institute, San Francisco, CA. (November 2005).

Attended Conference, "Information Resources Management Association National Conference." (May 2005).

Attended Conference, "Decision Science Institute National Conference," Decision Sciences Institute. (November 2004).

Attended Conference, "Decision Science Institute National Conference," Decision Sciences Institute. (November 2003).

Attended Conference, "Decision Science Institute National Conference," Decision Sciences Institute. (November 2002).

Attended Conference, "International Federation of Operational Research Societies Annual Meeting," IFORS. (July 2002).

Attended Conference, "Decision Science Institute National Conference," Decision Sciences Institute. (November 2001).

Attended Conference, "Decision Science Institute National Conference," Decision Sciences Institute. (November 2000).

# Pratim Datta

Kent State University
Management and Information Systems
Business Administration Building A408
(330) 672-1229
Email: pdatta@kent.edu

## Education

Ph D, Louisiana State University, 2003.
Major: Information Systems and Decision Sciences
Supporting Areas of Emphasis: Decision Sciences
Dissertation Title: "Where have all the flowers gone?" A Modular Systems Approach to IT Infrastructure Productivity

MS, Louisiana State University, 2003.
Major: Information Systems and Decision Sciences

MBA, University of Alabama, 1999.
Major: Management Information Systems

BA, London School of Economics and St. Xavier's College, 1992.
Major: Economics

## Academic, Military and Professional Positions

### Academic

PhD Director, Kent State University. (August 18, 2013 - Present).

Associate Professor, Kent State University. (August 15, 2007 - Present).

Assistant Professor, Washington State University. (August 15, 2005 - May 15, 2007).

Teaching/ Research Assistant, Louisiana State University. (January 8, 2001 - July 10, 2004).

### Professional

SAP Administrator (SAP University Alliance), Louisiana State University. (September 27, 2002 - May 10, 2003).

Project Management Office, IBM Global Services. (July 1, 1999 - January 14, 2001).

Cost Control and Process Reegineering and Integration, PwC & Mobus Engineering, Perth, WA; Australia. (March 17, 1994 - April 8, 1997).

Analyst (Internship), British Airways and Barclays PLC. (May 12, 1991 - February 1, 1992).

## Consulting

Management Consulting, Alegian, Hudson. (December 21, 2016).

Training/Education, PNC bank, Cleveland. (October 25, 2016).

Management Consulting, CPL, Independence. (February 18, 2016 - March 11, 2016).

Management Consulting, FedEx Custom Critical. (June 2015 - September 2015).

Technical/Professional Work, Bosch, Germany. (April 11, 2013 - June 2015).

Management Consulting, Heartland Medical, Ohio. (September 17, 2013 - 2014).

Technical/Professional Work, Huawei Operation Group, Shanghai, Shanghai. (May 17, 2012 - May 2014).

Management Consulting, United Way Portage County, Ravenna, Ohio. (April 11, 2011 - 2013).

Management Consulting, Cleveland RTA, Cleveland, OH. (May 17, 2011 - March 2012).

Management Consulting, Soft-Lite Windows, Streetsboro, Ohio. (April 6, 2011 - 2011).

Management Consulting, ComDoc Inc, Akron, Ohio. (February 1, 2008 - 2010).

Management Consulting, ComDoc IT and Marketing Department, Massillon, OH. (February 1, 2008 - July 6, 2008).

Technical/Professional Work, Innovation Assessment Center, Washington State University, Pullman, WA. (May 1, 2005 - May 15, 2007).

Technical/Professional Work, Ann Taylor, Seattle, WA. (June 10, 2006).

Training/Education, Gritman Medical Center, Moscow, ID. (February 1, 2005 - February 25, 2005).

Management Consulting, Louisiana Traffic Safety Board, Baton Rouge, LA. (March 2, 2002 - November 7, 2002).

Management Consulting, IBM Global Services. (May 1998 - January 2001).

## Awards and Honors

### Research

Ranked among top 94 (47 after redundant ranks), Association of Information Systems (AIS). (September 7, 2016).

Senior Research Associate, University of Johannesburg. (February 7, 2016).

University Scholar of the Month, Kent State University. (June 2014).

Best Paper Award, Midwest AIS. (April 11, 2013).

Founder and Organizer, 2nd International Symposium on Sustainable Value Chains. (June 18, 2011).

Farris Family Research Innovation Fellow. (October 15, 2010).

Organizer, International Symposium on Green Supply Chains, College of Business. (July 30, 2010).

Farris Research Innovation Award, Farris Family. (August 29, 2009).

Distinguished Paper Award, Decision Sciences Institute. (November 22, 2008).

College of Business Research Merit Fellowship, Kent State University. (November 10, 2008).

Nominee: Best Paper Award, European Conference on Information Systems. (June 23, 2006).

Travel Award, International Business Institute. (April 12, 2005).

## Service, Community

Photography Publication, Smithsonian Online. (September 6, 2006).

Winner: Photography Contest, International Library of Photography. (December 20, 2005).

## Service, Professional

Patent Interview on Fox8 News Channel, Fox 8 News Channel. (May 6, 2013).

Keynote Speaker for the Project Management Institute, Northeast Ohio Project Management Institute. (March 12, 2013).

Provisional Patent Award, USPTO. (November 6, 2008).

Exceptional Service Award, International Conference on Information Systems. (December 11, 2003).

## Service, University

Outstanding MBA Professor Award, Graduate Management Association, Graduate School of Management. (April 25, 2009).

Recognition: MISA Advisor, College of Business. (April 18, 2009).

MBA Roadshow, Graduate School of Business at Washington State University. (October 20, 2005).

## Teaching

Paul Pfeiffer Teaching Fellow, College of Business. (April 2014).

Teaching Scholar, Kent State University. (May 15, 2010).

Nominee, MBA Outstanding Professor Award, College of Business. (April 2010).

Nominee, University Teaching Award, Kent State University. (September 2009).

Top 5 Highest Teaching Evaluation in College of Business, Washington State University. (May 18, 2007).

Nominee: Best Professor, Washington State University. (December 7, 2005).

Teaching Innovation Award, Washington State University. (December 1, 2004).

# RESEARCH

## Published Intellectual Contributions

### Books

Datta, P. (2015). *Competitive Analytics: An Overview and Reference Primer* (pp. 110). Amazon Kindle.

### Book Chapters

Bozan, K., Datta, P. (2016). *Erratum to: Satisfaction with Health Informatics System Characteristics and Their Effect on Openness to Frequent Use* (pp. E1–E1). Springer International Publishing.

### Refereed Journal Articles

Nwankpa, J., Datta, P. (2017). The Influence of Digital Business Intensity on Perceived Organizational Performance. *To appear in European Journal of Information Systems.*

Hill, G. A., Datta, P., Vander Weerdt, C. (2017). Developers, Quality Control and Download Success in Open Source Software (OSS) Projects. *To appear in Journal of Organizational and end-User Computing (JOEUC).*

Rickett, L., Datta, P. (2016). Beauty-contests in the age of financialization: information activism and retail investor behavior. *Journal of Information Technology, 31*(4), 1-19.

Datta, P., Bozan, K. (2016). The effect of perceived expected satisfaction with electronic health records availability on expected satisfaction with electronic health records portability in a multi-stakeholder environment. *Interdisciplinary Journal of Information, Knowledge, and Management, 11*(1), 31-53.

Datta, P., Roumani, Y. (2015). Knowledge-Acquisitions and Post-Acquisition Innovation Performance: A Comparative Hazards Model. *European Journal of Information Systems, 24*(2), 202-226.

Chen, L., Guiffrida, A., Datta, P. Capacity-Delivery Coordination in Supply Chains. *To appear in International Journal of Operational Research (IJOR).*

Datta, P., Hill, G. A., Bigham, G. (2015). A Global Study of Heritage Site Ecology, Proclivity & Loyalty. *Journal of Hospitality and Tourism Management, 17*(1), 1-23.

Hill, G. A., Datta, P. (2015). Shifting Perspectives: A Process Model for Sense Making Under Uncertainty. *International Journal of Strategic Decision Sciences, 6*(1), 33-52.

Acar, W., Burns, A. T., Datta, P. (2014). Explicit Knowledge Transfers in New Product Development (NPD). *International Journal of Strategic Decision Sciences, 5*(4).

Datta, P., Gopalakrishna Remani, V. (2014). The Impact of Sustainable Governance and Practices on Business Performance: An Empirical Investigation of Global Firms. *International Journal of Sustainable Society, 17*(4), 52-74.

Datta, P., Bhattacharyya, K., Maitra, A. (2013). Resource dynamics on service effectiveness: evidence from the small business service industry in the United States. *Journal of Service Science Research, 5*(1), 1-33.

Datta, P. (2012). An Applied Organizational Rewards Distribution System. *Management Decison (Formerly the British Journal for Management), 50*(3).

Datta, P. (2012). An applied organizational rewards distribution system. *Management Decision, 50*(3), 479–501.

Datta, P., Bhattacharyya, K. (2012). Innovation returns and the economics of offshored IT R&D. *Strategic Outsourcing: An International Journal, 5*(1), 15–35.

Datta, P., Bhattacharyya, K. (2012). Innovation Returns and the Economics of R&D Offshoring. *Strategic Outsourcing: An International Journal, 4*(2), 18.

Nwankpa, J., Datta, P. (2012). Perceived audit quality from ERP implementations. *Information Resources Management Journal (IRMJ), 25*(1), 61–80.

Nwankpa, J., Datta, P. (2012). Perceived Audit Quality from ERP Implementations. *Information Resources Management Journal, 60*(1), 61-80.

Bhattacharyya, K., Datta, P., Booth, D. (2011). To do or not to do business with a country: A robust classification approach. *Journal of Data Science, 9*(4), 625-637.

Datta, P., Acar, W. (2011). Software and Human Agents in Knowledge Codification. *Knowledge Management Research and Practice, 8*(1).

Burns, A. T., Acar, W., Datta, P. (2011). Knowledge Transfers in Entrepreneurial Product Development. *Journal of Knowledge Management, 15*(2).

Datta, P., Chatterjee, S. (2011). An Empirical Investigation of Intermediation in Online Markets. *DATA BASE for Advances in Information Systems, 26*(3).

Datta, P. (2011). A Preliminary Study of Ecommerce Adoption in Developing Countries. *Information Systems Journal, 21*(1), 3-32.

Datta, P. (2010). From Creation to Application: Knowledge Process Reengineering. *Journal of Knowledge Process Management, 7*(4), 23-47.

Bhattacharyya, K., Datta, P., Offodile, F. (2010). The Impact of Third-Party Indices on Global Operational Risks. *Journal of Supply Chain Management, 24*(2).

Datta, P., Ye, W. (2010). The Mediating Role of Virtual Experience on Online Purchase Intentions. *Information Resources Management Journal, 23*(4), 57-74.

Bhattacharyya, K., Datta, P., Booth, D. To Do or Not to Do Business-A Robust Classification. *To appear in J. Data Science, 9*(4), 625-637.

Datta, P. (2010). Investigating Technology Commitment in Instant Messaging Application Users. *Journal of End User Computing, 22*(4), 70-94.

Datta, P., Okoli, C., Mbarika, V. W. (2010). Extending the Social Identity of Information Systems: Telemedicine Transfer to Sub-Saharan Africa. *Journal of Information Technology Research, 3*(2), 12-28.

Datta, P., Wang, Y. (2009). A Technology Commitment Model of Post-Adoptive Behavior. *Information Resources Management Journal, 22*(4), 254-273.

Wang, Y., Datta, P. The Mediating Role of Virtual Experience on Online Purchase Intentions. *To appear in Information Resources Management Journal, Forthcoming*.

Chatterjee, S., Datta, P. (2008). Examining Inefficiencies and Consumer Uncertainty in E-Commerce. *Communications of the AIS, 22*(29), 525-546.

Datta, P., Chatterjee, S. (2008). Towards a Framework of Intermediation in Electronic Markets. *European Journal of Information Systems, 17*(1-3), 12-28.

Datta, P. (2007). An Agent-Mediated Knowledge in Motion (KiM) Model. *Journal of the Association of Information Systems, 8*(5), 1-26.

Harrison, M., Datta, P. (2007). An Empirical Assessment of User Perceptions of Feature versus Application Level Usage. *Vol. 20*, 300-321.

Datta, P., Mbariak, V. (2006). A Global Investigation of Granger Causality between Information Infrastructure Investment and Service-Sector Growth. *The Information Society, 22*(3), 17.

Kifle, M., Mbarika, V., Datta, P. (2006). Interplay of cost and adoption of tele-medicine in Sub-Saharan Africa: The case of tele-cardiology in Ethiopia. *Information Systems Frontiers, 8*(3), 211-233.

Meso, P., Datta, P., Mbarika, V. (2006). Moderating information and communication technologies' influences on socioeconomic development with good governance: A study of the developing countries. *Journal of the American Society of Information Science and Technology, 57*(2), 186-197.

Kifle, M., Mbarika, V., Datta, P. (2006). Telemedicine in sub-Saharan Africa: The case of teleophthalmology and eye care in Ethiopia. *Journal of the American Society of Information Science and Technology, 57*(10), 1383-1393.

Schneider, C., Datta, P. (2006). Adoption of WLAN's in the Hotel Industry: A Theoretical Costs-Analytic Framework. *Journal of Hospitality and Tourism Management, 13*(2), 189-196.

Mbarika, V., Okoli, C., Byrd, T., Datta, P. (2005). An Information Ecology for Sub-Saharan Africa. *Journal of the Association of Information Systems, 6*(5), 36.

Pal, A., Mbarika, V., Payton, F., Datta, P. (2005). Telemedicine in India: A Case Study Perspective, Vol. 9 (1), pp. 59-66. *IEEE Transactions of IT in Biomedicine, 9*(1), 59-66.

Pawlowski, S., Datta, P., Houston, A. (2005). The (gradually) changing face of state IT jobs. *Communications of the ACM, 48*(5), 97-91.

Datta, P., Walsh, K., Terrell, D. (2002). Demographics on the Choice of Survey Modes: Demographic Distinctiveness between Web-based and Telephone-based Survey Respondents. *Communications of the Association for Information Systems (CAIS), 9*(22), 223-240.

**Conference Proceedings**

Roumani, Y., Shanker, M., Datta, P., Nwankpa, J. *ADOPTERS'TRUST IN ENTERPRISE OPEN SOURCE SOFTWARE* (pp. 136).

Datta, P. (2015). *Mobile Technology for Telehealth Geomapping and Incidence Response in rural Areas*. IACCD Annual Technology and Development Conference.

Hill, G. A., Datta, P. *An Empirical Identification of Social Media Key Performance Indicators from the 2014 General Elections* (pp. 29-38). Americas Conference on Information Systems (AMCIS).

Datta, P., Hill, G. A., Vander Weerdt, C. (2015). *Strategic Pacing and the Progress Trap of Innovations* (pp. 11). Midwest Association of Information Systems.

Roumani, Y., Shanker, M., Datta, P., Nwankpa, J. (2012). *ADOPTERS'TRUST IN ENTERPRISE OPEN SOURCE SOFTWARE* . Midwest DSI.

Bhattacharyya, K., Acar, W., Datta, P., Guiffrida, A. (2011). *Exploring the Black Box of Purchasing: Total procurement Costs.* (pp. 5). Proceedings of the Decision Sciences Institute.

Datta, P. *Harmony without Structure: Coordinating Innovations in Networks.* Decision Sciences Institute Conference.

Datta, P. *"Sticky" Returns from "Non-sticky" Information:   Agent and Process Characteristics in the Knowledge-in-Motion Model.* Decision Sciences Institute Conference.

Datta, P., Talebi Ashoori, M. (2010). *An Optimized Rewards Distribution (ORD) Model for Job Functions.* Academy of Management Conference.

Datta, P., Wang, Y. *Decomposition of Virtual Product Experience in Consumers' Online Purchasing.* Americas Conference on Information Systems.

Bhattacharyya, K., Shanker, M., Datta, P., A. M. *The Marginal Utility of Medical Resources in Clinics with.* San Francisco, CA: Americas Conference on Information Systems.

Datta, P., Troutt, M., Booth, D., Shanker, M. (2008). *A service-design of it infrastructure* (pp. 3481–3486).

Datta, P., Troutt, M., Booth, D., Shanker, M. (2008). *A Service-Design of IT Infrastructure (Distinguished Paper Award).* Decision Sciences Institute.

Datta, P., Offodile, F. (2008). *Strategic Pacing of Innovations.* Washington DC: INFORMS Conference.

Chatterjee, S., Datta, P. (2006). *Antecedents and Contingencies affecting Uncertainty in Electronic Markets.* Intermediaries as Value Moderators in Electronic Marketplaces.

Datta, P. (2006). *Understanding IS Continuance: A Technology Commitment Perspective.* International Conference on Information Systems (ICIS).

Mbarika, V., Shankar, C., Datta, P., Payton, F. (2006). *Use of Multimedia Case Studies to Teach Technical Subjects — A Multiple Experimental Study.* Americas Conference on Information Systems (AMCIS).

Schneider, C., Datta, P. (2005). *Adoption of Wireless LANs in the Hospitality Industry.* European Conference on Information Systems (ECIS).

Datta, P. (2005). *Intermediaries as Value Moderators in Electronic Marketplaces.* European Conference on Information Systems (ECIS).

Wang, K., Datta, P. (2005). *Online Decision-Making in VR Application Environments.* Americas Conference on Information Systems (AMCIS).

Datta, P., Mbarika, V. W. A. (2004). "*Are we there yet?*": *an exploratory relationship between national information infrastructure expenditures, infrastructure development, and service-sector productivity* (pp. 8–pp).

Datta, P., Mbarika, V. (2003). *An Exploratory Relationship between National Information Infrastructure Expenditures, Infrastructure Development, and Service-Sector Productivity.* Hawaiian International Conference on System Sciences (HICSS).

Datta, P., Mbarika, V. (2003). *The Lagged Evidence of Information Infrastructure Productivity.* Global Information Technology Conference.

Datta, P. (2002). *A Modular Systems Perspective on the Relationship between IT Infrastructure and Productivity.* International Conference on Information Systems (ICIS).

Datta, P., Gopalakrishnan, S. (2001). *Antecedents to Innovation in the Drug-Delivery Industry: A Multilevel Perspective.* Eastern Academy of Management Conference.

Pawlowski, S., Datta, P. (2001). *Organizational Responses to the Shortage of IT Professionals: A Resource Dependence Theory Framework.* Dependence Theory Framework. Americas Conference on Information Systems (AMCIS).

**Journal Articles**

Datta, P. A Systemic Ontology of Service-Driven IT Infrastructure Design.

Datta, P. Adopted Yet Underused: A Technology Commitment Model of Post-Adoptive Behavior Pratim Datta, and Ye Wang.

Datta, P., Chatterjee, S. THE NEED FOR CONSUMER TRUST IN INTERMEDIARIES IN ELECTRONIC MARKETS: A THEORETICAL FRAMEWORK.

Hill, G. A., Datta, P. (2015). An Empirical Identification of Social Media Key Performance Indicators from the 2014 General Elections.

Chen, L., Guiffrida, D. (2015). Capacity-Delivery Coordination in Supply Chains A Cost-based Approach. *International Journal of Operational Research.*

Hedman, J., Sarker, S. (2015). Information system integration in mergers and acquisitions: research ahead. *European Journal of Information Systems, 24*(2), 117–120.

Datta, P., Hill, G. A., Weert, C. (2013). Strategic Pacing and the Progress Trap of Innovation.

Datta, P. (2011). A preliminary study of ecommerce adoption in developing countries. *Information Systems Journal, 21*(1), 3–32.

Burns, A., Acar, W., Datta, P. (2011). A qualitative exploration of entrepreneurial knowledge transfers. *Journal of Knowledge Management, 15*(2), 270–298.

Datta, P., Chatterjee, S. (2011). Online consumer market inefficiencies and intermediation. *ACM SIGMIS Database, 42*(2), 55–75.

Guiffrida, A., Datta, P. (2011). Recent developments in green and sustainable supply chains. *Management Research Review, 34*(11).

Datta, P., Mbarika, V. W., Okoli, C. (2010). Extending the Social Identity of Information Systems: Telemedicine Transfer to Sub-Saharan Africa. *Journal of Information Technology Research, 3*(2).

Datta, P. (2010). From knowledge codification to application: An agent perspective. *Journal of Knowledge Management Practice, 11*(4).

Datta, P., Wang, Y. (2010). Investigating Technology Commitment in Instant Messaging Application Users. *Journal of Organizational and End User Computing, 22*(4), 70–96.

Datta, P., Acar, W. (2010). Software and human agents in knowledge codification. *Knowledge Management Research & Practice, 8*(1), 45–60.

Bhattacharyya, K., Datta, P., Offodile, O Felix (2010). The contribution of third-party indices in assessing global operational risks. *Journal of Supply Chain Management, 46*(4), 25–43.

Wang, Y., Datta, P. (2010). The Mediating Role of Virtual Experience in Online Purchase Intentions. *Information Resources Management Journal (IRMJ), 23*(4), 57–74.

Wang, Y., Datta, P. (2009). A Technology Commitment Model of Post-Adoption Behavior. *Information Resources Management Journal (IRMJ), 22*(4), 1–22.

Wang, Y., Datta, P. (2009). Decomposition of Virtual Product Experience in Consumer Online Purchasing-A Preliminary Study. *AMCIS 2009 Proceedings*, 532.

Bhattacharyya, K., Datta, P., Shanker, M., Maitra, A. (2009). The marginal utility of medical resources in clinics with deterministic patient arrivals: A simulation study. *AMCIS 2009 Proceedings*, 497.

Chatterjee, S., Datta, P. (2008). Examining Inefficiencies and Consumer Uncertainty in E-Commerce. *Communications of the Association for Information Systems, 22*.

Datta, P., Chatterjee, S. (2008). The economics and psychology of consumer trust in intermediaries in electronic markets: the EM-Trust Framework. *European Journal of Information Systems, 17*(1), 12–28.

Datta, P. (2007). An agent-mediated knowledge-in-motion model. *Journal of the Association for Information Systems, 8*(5), 287.

Harrison, M. J., Datta, P. (2007). An empirical assessment of user perceptions of feature versus application level usage. *Communications of the Association for Information Systems, 20*(1), 21.

Wang, K., Datta, P. (2007). Investigating the Roles of Virtual Experience in Consumers' Online Purchasing Decisions. *AMCIS 2007 Proceedings*, 128.

Datta, P., Mbarika, V. W. (2006). A global investigation of granger causality between information infrastructure investment and service-sector growth. *The Information Society, 22*(3), 149–163.

Schneider, C., Datta, P. (2006). Adoption of WLANs in the hotel industry: A theoretical cost-analytic framework. *Journal of Hospitality and Tourism Management, 13*(02), 189–198.

Chatterjee, S., Datta, P. (2006). Antecedents and contingencies affecting uncertainty in electronic markets: an empirical study.

Kifle, M., Mbarika, V. W., Datta, P. (2006). Interplay of cost and adoption of tele-medicine in Sub-Saharan Africa: The case of tele-cardiology in Ethiopia. *Information Systems Frontiers, 8*(3), 211–223.

Meso, P., Datta, P., Mbarika, V. (2006). Moderating information and communication technologies' influences on socioeconomic development with good governance: A study of the developing countries. *Journal of the American Society for Information Science and Technology, 57*(2), 186–197.

Kifle, M., Mbarika, V. W., Datta, P. (2006). Telemedicine in sub-Saharan Africa: The case of teleophthalmology and eye care in Ethiopia. *Journal of the American Society for Information Science and Technology, 57*(10), 1383–1393.

Wang, Y., Datta, P. (2006). Understand IS Continuance: A Technology Commitment Perspective. *ICIS 2006 Proceedings*, 77.

Mbarika, V., Sankar, C., Datta, P., Shipps, B. (2006). Use of Multimedia Case Studies to Teach Technical Subjects: A Multiple Experimental Study. *AMCIS 2006 Proceedings*, 280.

Schneider, C., Datta, P. (2005). Adoption of WLANS in the Hospitality Industry: A Theoretical Cost Analytic Framework. *ECIS 2005 Proceedings*, 36.

Datta, P. (2005). Intermediaries as value moderators in electronic marketplaces. *ECIS 2005 Proceedings*, 35.

Wang, Y., Datta, P. (2005). Online Decision Making in VR Application Environments. *AMCIS 2005 Proceedings*, 369.

Pal, A., Mbarika, V. W. A., Cobb-Payton, F., Datta, P., McCoy, S. (2005). Telemedicine diffusion in a developing country: the case of India (March 2004). *IEEE Transactions on Information Technology in Biomedicine, 9*(1), 59–65.

Pawlowski, S. D., Datta, P., Houston, A. L. (2005). The (gradually) changing face of state IT jobs. *Communications of the ACM, 48*(5), 87–91.

Datta, P., Byrd, T. A., Okoli, C., Mbarika, V. W. (2005). The neglected continent of IS research: A research agenda for sub-Saharan Africa. *Journal of the Association for Information Systems, 6*(5), 6.

Datta, P. (2002). A Modular Systems Perspective of IT Infrastructure Configurations and Productivity. *ICIS 2002 Proceedings*, 3.

Datta, P., Walsh, K. R., Terrell, D. (2002). The impact of demographics on choice of survey modes: Demographic distinctiveness between web-based and telephone-based survey respondents. *Communications of the Association for Information Systems, 9*(1), 13.

Pawlowski, S., Datta, P. (2001). Organizational Responses to the Shortage of IT Professionals: A Resource Dependence Theory Framework. *AMCIS 2001 Proceedings*, 360.

**Other**

Datta, P. (2003). *Where have all the flowers gone? A modular systems perspective of IT infrastructure design and productivity*. Citeseer.

## Intellectual Contributions in Submission

### Refereed Journal Articles

Rickett, L., Datta, P. (2016). Beauty-Contests in the age of Financialization: Information Activism and Retail Investor Behavior. *Under 3rd and Final round of Revision, Journal of IT. Special Issue on Finance and IT.*

Roumani, Y., Booth, D., Datta, P. The Pace of Post-Acquisition Innovation Performance: Comparing Google and Yahoo. *Journal of Strategic Information Systems.*

Roumani, Y., Datta, P., Shanker, M., Nwankpa, J. Adopters' Trust in Enterprise Open Source Software. *Expert Systems with Applications.*

### Journal Articles

Datta, P. E-Commerce Technology Adoption in Developing Countries. *Information Systems Journal.*

Datta, P., Pawlowski, S. A Systems Perspective of IT Infrastructure. *Journal of Strategic Information Systems.*

Datta, P., Chatterjee, S. An Empirical Investigation of Intermediation in Electronic Markets. *Decision Support Systems.*

Datta, P., Chatteree, S. Consumer Uncertainty in Electronic Markets. *European Journal of Information Systems.*

## Contracts, Grants and Sponsored Research

### Other

Datta, P., "Summer Research Award," Sponsored by College of Business, Kent State University, $3,000.00. (May 2015 - April 2016).

Datta, P. (Co-Principal), Sinclair-Colando, E. (Co-Principal), "ACAA Student Writing," Sponsored by ACAA, Kent State University, $5,000.00. (October 11, 2013 - August 11, 2014).

Datta, P. (Co-Principal), Sinclair-Colando, E. (Co-Principal), "Student Writing Evaluation," Sponsored by ACAA, Kent State University, $500.00. (October 11, 2013 - August 11, 2014).

Datta, P. (Principal), "Farris Family Research Innovation Fellowship," Sponsored by Farris Family, Kent State University, $24,000.00. (October 20, 2010 - September 2013).

Datta, P., "Farris Family Research Innovation Fellowship," Sponsored by Farris Family, Private, $25,000.00. (August 18, 2009 - August 17, 2012).

Datta, P., "International Travel Grant Award," Sponsored by International Business Institute, State, $6,000.00. (October 1, 2004 - March 2, 2005).

Datta, P. (Co-Principal), "IT Infrastructure Design and Productivity (Dissertation Grant)," Sponsored by IBM, Private, $6,000.00. (January 1, 2003 - June 1, 2003).

Datta, P. (Co-Principal), "The Dynamics of IT professionals in State Agencies," Sponsored by Louisiana Board of Regents, State, $25,000.00. (September 1, 2002 - June 1, 2003).

## Presentations Given

Datta, P., MIS Association.

Datta, P., M&IS Research Forum, "Green Operations and Perceived Financial Performance: A Green Activities-Practices Model," M&IS, College of Business, Kent State University, Kent. (October 5, 2015).

Datta, P., IACCD Annual Technology and Development Conference, "Mobile Technology for Telehealth Geomapping and Incidence Response in rural Areas," IACCD, Hong Kong. (June 2015).

Datta, P., Youngstown State University Research Forum Series, "A Systems Theoretical Approach to Designing Systems Services and Corporate IT Performance," Youngstown State University College of Business, Youngstown, Ohio. (April 30, 2015).

Hill, G. A. (Presenter & Author), Vander Weert, C. (Presenter & Author), Datta, P. (Author Only), Midwest Association of Information Systems, "Strategic Pacing and the Progress Trap of Innovations," Association of Information Systems & University of Illinois, University of Illinois -. Normal, IL. (May 2013).

Datta, P., Research Seminar, "The Tragedy of the Bazaar in Open Source Software," M&IS, COB. (September 27, 2010).

Remani, V. (Presenter & Author), Bhattacharyya, K., Hongli, H., Datta, P., Shanker, M., Mid-West DSI Conference, "From Data to Information: Simulation Study of an Agent-Mediated Knowledge-in-Motion (KiM) Model," Decision Science Institute, Toledo, OH. (April 22, 2010).

Bhattacharyya, K. (Presenter & Author), Datta, P., Shanker, M., Maitra, A., Americas Conference on Information Systems, "The Marginal Utility of Medical Resources in Clinics with Deterministic Patient Arrivals: A Simulation Study." (2009).

Datta, P., Research Seminar, "Strategic Pacing of Technological Innovations," Marketing, COB. (October 30, 2009).

Datta, P., Research Seminar, "The Impact of Green Policies on Green Reputation," M&IS, COB. (October 15, 2009).

Datta, P., Friday Brown Bag Seminar, "Strategic Pacing and the Progress Trap of Innovations," M&IS, College of Business, A416. (February 13, 2009).

Datta, P., Celebration of Scholarship, "iBioStylus: A non-intrusive biometric device and process," Kent State University, Student Center. (February 6, 2009).

Datta, P. (Presenter & Author), Troutt, M., Booth, D., Shanker, M., Decision Science Institute, "A Service-Design of IT Infrastructure," Decision Science Institute. (November 2008).

Datta, P., Offodile, F., Decision Sciences Institute Annual Conference, "The Role of Global Supply Chain Complexities on Supply Chain Outsourcing," Decision Sciences Institute, Baltimore, MD. (November 21, 2008).

Datta, P., Offodile, F., INFORMS Annual Conference, "[Re]Evolution of Global Supply Chains: Preconditions and Consequences of Supply Chain Outsourcing," INFORMS, Baltimore, MD. (November 21, 2008).

Datta, P., Board of Executive Meeting, "IT Gap Analysis for IT Alignment," ComDoc, Akron, OH. (August 6, 2008).

Datta, P. (Presenter & Author), Internal Directors' Meeting, "Reengineering IT for Business Alignment," ComDoc, Akron, OH. (June 26, 2008).

Datta, P. (Presenter & Author), MISA Speaker Series, "Global IT- realities and opportunities.," MISA, BSA 108, Kent, OH. (April 8, 2008).

Datta, P. (Presenter & Author), Conlon, R. (Presenter & Author), Academic Discovery, "Discovering the opportunities of a CIS major," CIS, BSA, Kent State University. (April 3, 2008).

Datta, P., IT and Globalization, "The dark side of globalization," Rotary Club of Calcutta, Chandernagore, Calcutta. (January 4, 2008).

Datta, P. (Presenter & Author), International Conference on Information Systems, "Understanding IS Continuance: A Technology Commitment Perspective," Association of Information Systems, Milwaukee, WI. (December 13, 2007).

Datta, P., "Understanding Global Capital Markets," MBA Talk Roadshow. (September 2006).

Datta, P. (Author Only), European Conference on Information Systems, "Antecedents and Contingencies affecting Uncertainty in Electronic Markets," European Union, St. Gallen, Switzerland. (June 20, 2006).

Datta, P. (Presenter & Author), European Conference on Information Systems, "Intermediaries as Value Moderators in Electronic Marketplaces," European Union, Regensburg, Germany. (June 20, 2005).

Datta, P., Journal of the AIS Theory Development Workshop, "Sticky Returns from Unsticky Information: A nonlinear Knowledge in Motion Model," Association of Information Systems, Barcelona, Spain. (December 15, 2003).

Datta, P. (Presenter & Author), International Conference on Information Systems, "A Modular Perspective of IT Infrastructure," Association of Information Systems, Barcelona, Spain. (December 11, 2002).

## Research Currently in Progress

A Theoretical Model of Technological Transience, with Larry Marks.

Evaluating IT investments: The role of infrastructure design, management, and the environment.

Mapping Knowledge Transformations in Firms: A Simulation

Optimizing IT Infrastructure Project Portfolios: An Optimization Model

Strategic Pacing and the Progress Trap of Technological Innovations (Datta and Anokhin)

The C3PO model for tracing Information Systems Security Services

The Impact of IS Security on IS Project Iron Triangle

The Importance of Strategic Pacing in Technology Innovations

The moderating role of Advanced Manufacturing Systems on Innovation Intensity in Organizations.

The subsequent effects of Supply Chain Complexities on Supply Chain Outsourcing Performance

Where networks are the structure: Rethinking Knowledge Management best practices in Open Source solutions.

# TEACHING

## Teaching Experience

### Kent State University
BUSN 60095, ST: SEM IN GLOBAL TECHNOLOGY, 1 course.
BUSN 67040, OPERATIONS MANAGEMENT-EMBA, 1 course.
BUSN 67041, APPL STATISTICAL ANLYS, 1 course.
BUSN 67042, MANAGEMENT INFO SYSTEMS, 1 course.
BUSN 67191, SEM: CUR ISSUES/EXEC DEV, 1 course.
MIS 34161, HEALTHCARE TECHNOLOGY MGMT, 2 courses.
MIS 44007, PM AND TEAM DYNAMICS, 1 course.
MIS 44049, NETWORK MGT AND SYS ADMIN, 1 course.
MIS 44062, SUPPLY CHAIN MANAGEMENT, 1 course.
MIS 44095, ST: PROJECT MANAGEMENT, 3 courses.
MIS 44152, COLLABORATIVE PROJECT MANAGEMT, 2 courses.
MIS 44163, GLOBAL BUSINESS MANAGEMENT, 8 courses.
MIS 44285, INTG BUS POLICY/STRATEGY, 2 courses.
MIS 60095, ST: GLOBAL SUPPLY CHAIN MGMNT, 2 courses.
MIS 64026, GLOBAL SUPPLY/SUSTAIN STRATEG, 1 course.
MIS 64042, GLOBAL TECHNOLOGY STRATEGY, 21 courses.
MIS 64083, INFORMATION SECURITY, 1 course.
MIS 67040, OPERATIONS MANAGEMENT-EMBA, 3 courses.
MIS 67041, APPL STATISTICAL ANLYS, 1 course.
MIS 67042, MANAGEMENT INFO SYSTEMS, 9 courses.
MIS 67091, SEM: EXEC SKILLS DEV- INDEPEND, 1 course.
MIS 67191, SEM: INTEGRATED EXECUTIVE DECI, 5 courses.
MIS 84007, PHILOSOPHY OF SCIENCE/MODELS, 7 courses.
MIS 84081, INFORMATION SYSTEMS STRATEGY, 1 course.
MIS 84266, READINGS IN MANAGEMENT SYSTEMS, 1 course.
MIS 84285, TECH MGMT AND ENTREPRENEURSHIP, 1 course.

## Non-Credit Instruction

Seminar, Sichuan University, 117 participants. (June 11, 2013 - June 29, 2013).

Management/Executive Development, Bosch at Gottingen, 23 participants. (June 2, 2013 - June 8, 2013).

Management/Executive Development, Shanghai International Studies University, 74 participants. (December 20, 2012 - January 7, 2013).

Management/Executive Development, Shanghai International Studies University, 74 participants. (December 20, 2012 - January 7, 2013).

Management/Executive Development, Shanghai International Studies University, 74 participants. (December 20, 2010 - January 7, 2013).

Management/Executive Development, Chonnam National University, 48 participants. (June 28, 2012 - August 4, 2012).

Management/Executive Development, Shanghai International Studies University, 74 participants. (December 20, 2011 - January 7, 2012).

Management/Executive Development, Chonnam National University, 48 participants. (June 28, 2011 - August 4, 2011).

Management/Executive Development, Shanghai International Studies University, 74 participants. (July 11, 2011 - July 23, 2011).

Management/Executive Development, Hanover University, 31 participants. (May 14, 2011 - June 3, 2011).

Management/Executive Development, Shanghai International Studies University, 76 participants. (December 15, 2010 - January 10, 2011).

Management/Executive Development, Shanghai International Studies University, 74 participants. (December 20, 2010 - January 7, 2011).

Management/Executive Development, Shanghai International Studies University, 74 participants. (December 20, 2009 - January 7, 2010).

## Directed Student Learning

Individual/Independent Study, "Mentoring Project," Management and Information Systems. (August 30, 2008 - Present).
Advised: Laura Rickett, Yaman Roumani, Joseph Nwankpa, Fengkun Liu

Dissertation Committee Chair, "Sensemaking in Big Data," Management and Information Systems. (April 29, 2014 - July 2015).
Advised: Geoffrey Hill

Dissertation Committee Chair, Management and Information Systems. (August 2011 - July 2014).
Advised: Karoly Bozan

Dissertation Committee Chair, Management and Information Systems. (August 11, 2010 - July 2012).
Advised: Laura Rickett, Karoly Bozan

Dissertation Committee Member, "Technology Commitment and Post-Adoption Behavior," Management and Information Systems. (September 2005 - July 2008).
Advised: Ye Wang

Dissertation Committee Member, "SUPPLY CHAIN SALES PROMOTION: THE INTERFACE BETWEEN MARKETING AND OPERATIONS," Management and Information Systems. (2006 - 2007).
Advised: Shilei Yang

Master's Thesis Committee Member, "Telemedicine Adoption in India." (2003 - 2004).
Advised: Amrita Pal

# SERVICE

## Editorial and Review Activities

Invited Manuscript Reviewer, "Journal of End User Computing." (2008 - Present).

Ad Hoc Reviewer, "MIS Quarterly Executive." (May 2006 - Present).

Invited Manuscript Reviewer, "Telecommunications Policy." (April 1, 2005 - Present).

Ad Hoc Reviewer, "International Conference on Information Systems." (May 2002 - Present).

Editorial Board Member, "International Journal of Information Systems in the Service Sector,"
Editorial Board. (November 20, 2008 - 2009).

## General Service

### College

Committee Member, Strategic Planning Committee, Member. (August 2014 - Present).

Ph.D. Director, PhD Program Director, President/Elect/Past. (October 1, 2013 - Present).

Committee Member, College Assessment Committee. (August 11, 2013 - Present).

Committee Member, PhD Subcommittee, Member. (June 11, 2013 - Present).

Lead, Assurance of Learning (AoL) for AACSB. (August 11, 2011 - Present).

Committee Member, MBA Subcommittee, Member. (July 20, 2011 - Present).

Committee Member, CoB 75th Anniversary Planning Committee, Member. (July 20, 2009 -
Present).

Workshop Organizer, BizPrep@Kent. (June 14, 2009 - Present).

Committee Member, MBA Committee, Member. (January 18, 2009 - Present).

SAP Technical Lead Implementation. (June 1, 2010 - August 30, 2012).

Committee Member, Search Committee, VP of Research, Member. (September 2010 - March
2011).

Committee Member, 75th CoB Anniversary, Member. (August 17, 2009 - December 25, 2010).

Attendee, Meeting, Global Management Center's Speaker Series. (April 23, 2009).

Attendee, Award Ceremony, Beta Gamma Sigma, Member. (April 18, 2009).

Ad-hoc member, Curriculum Advisory Committee. (November 4, 2008).

Student Org Advisor (Non-Professional Org), MBA Case Competition. (November 7, 2007 - November 11, 2007).

Committee Member, Graduate Program Policy Committee, Member. (September 2004 - May 2007).

Committee Member, MBA Portfolio Committee, Member. (August 2003 - May 2007).

## Department

Interaction with Industry, Venture building with Jumpstart, President/Elect/Past. (April 2011 - Present).

Mentor, Mentoring PhD Students in M&IS, Member. (March 10, 2008 - Present).

Help in drafting PhD Program Documents, PhD Program. (January 20, 2008 - Present).

Mentor, PhD M&IS, Member. (January 2008 - Present).

Committee Chair, Computer Information Systems, Member. (October 1, 2007 - Present).

Attendee, Meeting, Research Seminar, Member. (August 20, 2007 - Present).

Ph.D. Coordinator, M&IS PhD Coordinator. (May 11, 2013 - August 11, 2013).

Committee Member, FAC, Member. (August 15, 2010 - December 20, 2010).

Designer of Promotional Materials, Promotional Materials. (January 20, 2009 - March 3, 2009).

Committee Member, FAC, Member. (August 15, 2008 - December 20, 2008).

PhD Student Mentorship and Contract, Member. (March 30, 2008 - July 10, 2008).

Mentor, PhD Program in M&IS, Member. (September 1, 2007 - January 30, 2008).

Interviewed by prospective freshmen interested in pursuing a career in IS, Exploring Business. (November 19, 2007).

Committee Chair, IS Marketing, Member. (June 2004 - May 2007).

## Other

Attendee, Meeting, CIS Curriculum Committee, Member. (October 2, 2008 - Present).
## Professional

Conference Panel, INFORMS International Conference. (October 15, 2008).

Nominee, Keynote Speaker, SafeCo Insurance. (October 2006).

## Public/Community

Interaction with Industry, ComDoc Inc. (January 17, 2008 - Present).

Committee Chair, Seattle SEAFAIR, Member. (August 2007).

### Student Organization

Co-Advisor, MIS Association. (January 10, 2009 - Present).

Mentor, MIS Students Association Faculty Mentor, President/Elect/Past. (August 1, 2010 - May 17, 2013).

### University

Committee Member, Provost's Advisory Committee, Member. (January 2016 - Present).

Committee Member, Advisory Committee on Academic Assessment(ACAA), Member. (July 2011 - Present).

Committee Member, Advisory Committee on Academic Assessment, Member. (August 14, 2010 - Present).

Learn-Practice-Travel Program Design, Program design with the Office of Global Education. (August 1, 2013 - November 1, 2013).

Committee Chair, Healthcare Management Program Design and Implementation, President/Elect/Past. (May 11, 2010 - July 11, 2012).

Committee Member, Ad-hoc committee to review summer and academic year research appointments, Member. (November 12, 2008).

Department Representative, M&IS, Academic Discovery, Member. (October 10, 2008).

# OTHER

## Professional Memberships

IEEE, SIG Tele-Engineering. (May 2015 - Present).

Center for Information Systems, Chair, Marketing Committee. (August 20, 2008 - Present).

Association of Information Systems, Member. (January 1, 2000 - Present).

## Development Activities Attended

Research/Writing Presentation, "Celebration of Scholarship," Kent State University. (September 26, 2007).

Workshop, "Faculty Orientation Workshop," Kent State University. (August 15, 2007 - August 16, 2007).

# Natalia Dragan

Kent State University
Management and Information Systems
Business Administration Building A407
(330) 972-1161
Email: ndragan@kent.edu

## Education

Ph.D, Kent State University, 2010.
Major: Computer Science
Supporting Areas of Emphasis: Software Engineering
Dissertation Title: The Emergent Laws of Method and Class Stereotypes in Object Oriented Software

MS, Kent State University, 2005.
Major: Computer Science
Supporting Areas of Emphasis: Software Engineering
Dissertation Title: Method Stereotypes and their Automatic Identification

MS, Kishinev State University, Moldova, 1985.
Major: Applied Mathematics

## Academic, Military and Professional Positions

### Academic

Adjunct Instructor, Kent State University. (May 2014 - June 2014).

Senior Lecturer, The University of Akron. (August 2012 - December 2013).

Visiting Assistant Professor, Cleveland State University. (August 2011 - May 2012).

Adjunct Instructor, Kent State University - Stark. (January 2011 - May 2011).

Adjunct Instructor, Kent State University. (August 2010 - December 2010).

Graduate Assistant, Kent State University. (January 2004 - May 2010).

### Professional

Senior Programmer/Analyst, ONIX/JCV, Kishinev, Moldova. (September 1995 - September 1999).

Senior Programmer/Analyst, OPERINFO, Kishinev, Moldova 1990-1995. (January 1990 - December 1995).

Computer Center Of Academy of Science, Kishinev, Moldova. (August 1985 - December 1990).

# RESEARCH

## Published Intellectual Contributions

### Book Chapters

Dragan, N., Sharif, B., Dragan, N., Sutton, A., Collard, M. L., Maletic, J. I. (2013). *Identifying and Analyzing Software Design Activities* (pp. Chapter 10, 22 pages). CRC Press, 2013 Software Designers in Action: A Human-Centric Look at Design Work.

### Conference Proceedings

Abid, N., Dragan, N., Collard, M. L., Maletic, J. I. (2015). *Using Stereotypes in the Automatic Generation of Natural Language Summaries for C++ Methods* (pp. 561 - 565). IEEE Computer Society Washington, DC: ICSM '15 Proceedings of the 2015 31th IEEE International Conference on Software Maintenance.

Alhindawi, N., Dragan, N., Collard, M. L., Maletic, J. I. (2013). *Improving Feature Location by Enhancing Source Code with Stereotypes.* (pp. 300 - 309). IEEE Computer Society Washington, DC: ICSM '13 Proceedings of the 2013 29th IEEE International Conference on Software Maintenance.

Dragan, N. (2011). *The Emergent Laws of Method and Class Stereotypes in Object Oriented Software* (pp. 550-555). IEEE Computer Society Washington, DC: ICSM '11 Proceedings of the 2011 27th IEEE International Conference on Software Maintenance.

Dragan, N., Collard, M. L., Hammad, M., Maletic, J. I. (2011). *Using stereotypes to help characterize commits* (pp. 520 - 523). IEEE Computer Society Washington, DC: ICSM '11 Proceedings of the 2011 27th IEEE International Conference on Software Maintenance.

Dragan, N., Collard, M. L., Maletic, J. I. (2011). *Automatic identification of class stereotypes* (pp. 1-10). ICSM '10 Proceedings of the 2011 26th IEEE International Conference on Software Maintenance.

Dragan, N., Collard, M. L., Maletic, J. I. (2009). *Using method stereotype distribution as a signature descriptor for software systems* (pp. 567-570). ICSM '09 Proceedings of the 2011 25th IEEE International Conference on Software Maintenance.

Dragan, N., Collard, M. L., Maletic, J. I. (2006). *Reverse Engineering Method Stereotypes* (pp. 24-34). IEEE International Conference on Software Maintenance (ICSM'06).

Andriyevska, O., Dragan, N., Simoes, B., Maletic, J. I. (2005). *Evaluating UML Class Diagram Layout based on Architectural Importance.* (pp. 1 - 6). IEEE, Visualizing Software for Understanding and Analysis, 2005. VISSOFT 2005.

## Presentations Given

Dragan, N. (Presenter & Author), 31st IEEE International Conference on Software Maintenance and Evolution (ICSME'15), "Using Stereotypes in the Automatic Generation of Natural Language Summaries for C++ Methods," University of Bremen, Bremen, Germany. (October 1, 2015).

# TEACHING

## Teaching Experience

### Kent State University
MIS 24053, COMPUTER APPLICATIONS, 2 courses.
MIS 24065, WEB PROGRAMMING, 7 courses.
MIS 34054, USING IS FOR BUS PROBLEMS, 9 courses.
MIS 34070, PROGRAMMING THEORY AND APPS, 9 courses.
MIS 44033, ADV COMPUTER PROG, 2 courses.
MIS 44042, NETWORK THEORY/APPLICATION, 2 courses.

# SERVICE

## General Service

### Department

Attendee, Meeting, Center for Information Systems (Department of Management and Information Systems), Member. (September 2014 - Present).

Interaction with Industry, Organizing 4 guest lectures for MIS 44033 (Fall2016) class. (September 1, 2016 - December 1, 2016).

Interaction with Industry, Organizing 4 guest lectures for MIS 44033 (Fall2015) class. (September 15, 2015 - December 5, 2015).

### Professional

Committee Member, Program Committee of 2017 Ohio Celebration of Women in Computing (OCWiC), Huron, OH February 24-25, 2017, Member. (October 15, 2016 - February 25, 2017).

Committee Member, Program Committee of 24th IEEE International Conference on Program Comprehension (ICPC 2016), Austin, TX, May 2016, Member. (September 11, 2015 - May 17, 2016).

Committee Member, Program Committee (Early Research Achievements track) of 23rd IEEE International Conference on Program Comprehension (ICPC 2015), Florence, Italy, May 2015, Member. (October 30, 2014 - May 24, 2015).

Conference Program Organizer, Organizing Committee of the 29 IEEE International Conference on Software Maintenance (ICSM'13), Eindhoven, The Netherlands, September 22-28. (September 30, 2012 - September 28, 2013).

# OTHER

## Professional Memberships

Institute of Electrical and Electronics Engineers - Computer Society (IEEE-CS). (August 2011 - Present).

## Development Activities Attended

Attended Conference, "31th IEEE International Conference on Software Maintenance (ICSM'2015)," University of Bremen, Bremen, Germany. (September 27, 2015 - October 3, 2015).

Workshop, "SAP Workshop on 'Business Analytics'," UWM, Milwaukee, WI. (July 13, 2015 - July 16, 2015).

# Alfred L. Guiffrida

Kent State University
Management and Information Systems
Business Administration Building A411
(330) 672-1158
Email: aguiffri@kent.edu

## Education

Ph.D., University at Buffalo (SUNY), 2005.
Major: Industrial Engineering
Supporting Areas of Emphasis: Statistics
Dissertation Title: Cost Characteristics of Supply Chain Delivery Performance

MS, University at Buffalo (SUNY), 1999.
Major: Industrial Engineering

MBA, Virginia Tech, 1981.
Major: Management Science

BS, University at Buffalo (SUNY), 1978.
Major: Industrial Engineering

## Academic, Military and Professional Positions

### Academic

Associate Professor, Kent State University. (2011 - Present).

Assistant Professor, Kent State University. (2006 - 2011).

Adjunct Lecturer, Department of Industrial Engineering, SUNY Buffalo. (August 2001 - May 2006).

Adjunct Lecturer, Faculty of Management, Brock University, Canada. (September 1999 - May 2000).

## Awards and Honors

### Research

Best Paper Award, Midwest Decision Sciences Conference, Ashland Ohio. (2015).

Honorable Mention Academic Paper Award, 8th Annual International Symposium on Supply Chain Management, Toronto Ontario Canada. (2010).

Outstanding Paper Award Supply Chain Management/Logistics Track, Marketing Management Association 46th Annual MBAA International Conference Chicago 2010. (2010).

Best Academic Paper Award, 4th International Annual Symposium on Supply Chain Management, Toronto Ontario Canada. (2006).

# RESEARCH

## Published Intellectual Contributions

### Book Chapters

Brown, J., Bushuev, M., Kretinin, A., Guiffrida, A. (2016). *Recent Developments in Green Supply Chain Management: Sourcing and Logistics* (pp. 23). IGI Global.

Guiffrida, A., Weeks, K., Chen, L. (2015). *Improving Supply Chain Delivery Performance Using Lean Six Sigma* (pp. 89-117). Lean Six Sigma Approaches in Manufacturing, Services and Production, IGI Global.

Guiffrida, A. (2009). *Fuzzy Inventory Models* (pp. 173-198). Inventory Management: Non-Classical Views, CRC Press, Taylor and Francis Group.

Bagchi, U., Guiffrida, A., O'Neill, L., Zeng, A., Hayya, J. (2007). *The Effect of RFID on Inventory Management and Control* (pp. 71-92). Trends in Supply Chain Management, Springer Series in Advanced Manufacturing.

### Refereed Journal Articles

Weeks, K. O., Guiffrida, A., Safa, M. The Efficacy of Routing and Flexibility on Financial Performance within an International Manufacturing Setting. *To appear in International Journal of Productivity and Performance Management.*

Ngniatedema, T., Chen, L., Guiffrida, A. (2016). A Modeling Framework for Improving Supply Chain Delivery Performance. *International Journal of Business Performance and Supply Chain Modelling, 8*(2), 79-96.

Bushuev, M., Guiffrida, A., Rudchenko, T. Supply Chain Delivery Performance Improvement for Several Delivery Time Distributions. *To appear in International Journal of Operational Research.*

Chen, L., Guiffrida, A., Datta, P. Capacity-Delivery Coordination in Supply Chains. *To appear in International Journal of Operational Research (IJOR).*

Ngniatedema, T., Shanker, M., Hu, M., Guiffrida, A., Patuwo, E. (2015). Late Customization Strategy with Service Level Requirements. *International Journal of Production Economics, 166*, 72-84.

Bhattacharyya, K., Guiffrida, A. (2015). An Optimization Framework for Improving Supplier Delivery Performance. *Applied Mathematical Modelling, 39*(13), 3771-3783.

Tanai, Y., Guiffrida, A. (2015). Reducing the Cost of Untimely Supply Chain Delivery Performance for Asymmetric Laplace Distributed Delivery. *Applied Mathematical Modelling, 39*(13), 3758-3770.

Wellington, J., Guiffrida, A., Lewis, S. (2014). Interior Analysis of the Green Product Mix Solution. *European Journal of Operational Research, 237*(3), 966-974.

Brown, J., Guiffrida, A. (2014). Carbon Emissions Comparison of Last Mile Delivery versus Customer Pick Up. *International Journal of Logistics and Applications, 17*(6), 503-521.

Nwankpa, J., Brandyberry, A. A., Guiffrida, A., Hu, M., Shanker, M. (2013). Understanding the Link Between Initial ERP Systems and ERP-Enabled Adoption. *Information Resources Management Journal, 26*(4), 18-39.

Bushuev, M., Guiffrida, A. (2012). Optimal position of supply chain delivery window: Concepts and general conditions. *International Journal of Production Economics, 137*, 226–234.

Haring, R. C., Freeman, B., Guiffrida, A., Dennis, M. L. (2012). Relationship Building for a Healthy Future: Indigenous Youth Pathways for Resiliency and Recovery. *Journal of Indigenous Social Development, 1*(1), 1-17.

Khan, M., Jaber, M. Y., Guiffrida, A. (2012). The Effect of Human Factors on the Performance of a Two Level Supply Chain. *International Journal of Production Research, 50*(2), 517-533.

Khan, M., Jaber, M. Y., Guiffrida, A., Zolfaghari, S. (2011). A Review of the Extensions of a Modified EOQ Model for Imperfect Quality Items. *International Journal of Production Economics, 132*(2), 1-12.

Jaber, M., Bonney, M., Guiffrida, A. (2010). Coordinating a Three Level Supply Chain with Learning-Based Continuous Improvement. *International Journal of Production Economics, 127*(1), 27-38.

Guiffrida, A. (2009). A Probability Based Model for Evaluating Delivery Performance. *Journal of Academy of Business and Economics, 9*(3), 95-104.

Guiffrida, A., Jaber, M. Y., Rzepka, R. A. (2009). An Economic Model for Justifying the Reduction of Delivery Variance in an Integrated Supply Chain. *INFOR: Information Systems and Operational Research, 46*(2), 147-153.

Jaber, M. Y., Guiffrida, A. (2008). Learning Curves for Imperfect Production Processes with Rework and Process Restoration Interruptions. *European Journal of Operational Research, 189*(1), 93-104.

Guiffrida, A., Jaber, M. Y. (2008). Managerial and Economic Impacts of Reducing Delivery Variance in the Supply Chain. *Applied Mathematical Modeling, 32*(10), 2149-2161.

Jaber, M., Guiffrida, A. (2007). Observations on the Economic Order (Manufacture) Quantity Model with Learning and Forgetting. *International Transactions in Operations Research, 14*(2), 91-104.

Bushuev, M., Guiffrida, A. A review of inventory lot sizing review papers. *To appear in Management Research Review.*

Jaber, M., Osman, I. M., Guiffrida, A. (2006). Coordinating a Three Level Supply Chain with Price Discounts, Price Dependent Demand, and Profit Sharing. *International Journal of Integrated Supply Management, 2*(1/2), 28-48.

Guiffrida, A., Nagi, R. (2006). Cost Characterizations of Supply Chain Delivery Performance. *International Journal of Production Economics, 102*(1), 22-36.

Guiffrida, A., Nagi, R. (2006). Economics of Managerial Neglect in Supply Chain Delivery Performance. *The Engineering Economist, 51*(1), 1-17.

Guiffrida, A., Jaber, M. (2006). The Expected Quantity Short per Replenishment Cycle for Truncated Normal Lead Time Demand. *Journal of Academy of Business and Economics, 6*(2), 88-95.

Guiffrida, A., Kotwas, K., Phelps, C. (2005). An Analysis of RFID Technology on Consumer Gasoline Purchasing Times. *Review of Business Research, 5*(1), 82-86.

Jaber, M., Guiffrida, A. (2004). Learning Curves for Processes Generating Defects Requiring Reworks. *European Journal of Operational Research, 159*(3), 663-672.

**Conference Proceedings**

Cai, J., Guiffrida, A. (2016). *A Comparison of Methodologies for Measuring Transport Distance in Supply Chain Last Mile Delivery* (pp. 8). World Business Institute, Toronto Canada.

Guiffrida, A., Ngniatedema, T., Reday, P. (2015). *Modeling Delivery Performance in Make-to-Order Supply Chains* (pp. 9). Proceedings of the Midwest Decision Sciences Institute, Ashland, Ohio.

Liang, H., Guiffrida, A., Patuwo, E. (2015). *Recent Trends in Stochastic Cost Volume Profit Analysis* (pp. 9). MMBA International Conference Proceedings, Chicago.

Peck, J., Guiffrida, A. (2015). *Selection Can Be Lean, Too: Utilizing Benchmarking to Reduce Time Lag in the HRM Selection Process* (pp. 9). MMBA International Conference Proceedings, Chicago.

Guiffrida, A., Brown, J., Bushuev, M., Kretinin, A. (2014). *A Review of Decision Models for Sustainable Sourcing* (pp. 51-65). Global Business Sustainability Proceedings 2014, Saginaw, Michigan.

Guiffrida, A. (2014). *A Capacity Acquisition Model for Multi-Stage Supply Chains* (pp. 13-21). Proceedings of the International Academy of Business and Economics, Las Vegas, Nevada.

Guiffrida, A. (2014). *Recent Trends in Supply Chain Delivery Performance* (pp. 833-835). Proceedings of the International Conference on Operations Research (ICOR2014), Toronto, Canada.

Guiffrida, A., Chen, L., Ngniatedema, T., Liang, H., Tanai, Y. (2013). *Modeling Supply Chain Delivery Performance: A Literature Review* (pp. 11-20). Proceedings of the International Academy of Business and Economics, Las Vegas, Nevada.

Ngniatedema, T., Guiffrida, A. (2013). *A Generalized Discrete Model for Evaluating Supply Chain Delivery Performance* (pp. 426-430). Proceedings of the International Conference on Management and Information Systems, Bangkok, Thailand.

Liang, H., Guiffrida, A. (2013). *Economics of Managerial Neglect in Supply Chain Delivery Performance Considering Learning Forgetting Effects* (pp. 6 pages CDROM). Proceedings of the Midwest Decision Sciences, Twinsburg Ohio.

Smas, J., Guiffrida, A. (2013). *Humanitarian Supply Chains: Performance Measures, Models and Ethics* (pp. 6 pages CDROM). Proceedings of the Midwest Decision Sciences, Twinsburg Ohio.

Tanai, Y., Guiffrida, A. (2013). *Improving Supply Chain Delivery Performance by Reducing Upstream Variability* (pp. 6 pages CDROM). Proceedings of the Midwest Decision Sciences, Twinsburg Ohio.

Kretinin, A., Guiffrida, A. (2013). *The Application of Quantile Regression to the Vendor Selection Problem* (pp. 6 pages CDROM). Proceedings of the Midwest Decision Sciences, Twinsburg Ohio.

Brown, J. R., Guiffrida, A. (2012). *Stochastic Modeling of the Last Mile Problem.* Proceedings of the 10th Annual International Symposium on Supply Chain Management, Toronto Canada.

Ngniatedema, T., Bushuev, M., Guiffrida, A. (2012). *A Learning-Based Model for Evaluating Supply Chain Delivery Performance* (pp. 215-221). Proceedings of the Midwest Decision Sciences Institute, Grand Rapids Michigan.

Guiffrida, A., Lao, S., Ling, Y., Ozarslan, L., Shrestha, B. (2012). *Improving Customer Delivery Performance in a Serial Supply Chain* (pp. 208-214). Proceedings of the Midwest Decision Sciences Institute, Grand Rapids Michigan.

Miller, R., Bushuev, M., Guiffrida, A. (2012). *Transportation Model with Motor Carrier Freight Rates* (pp. 222-227). Proceedings of the Midwest Decision Sciences Institute, Grand Rapids Michigan.

Bhattacharyya, K., Acar, W., Datta, P., Guiffrida, A. (2011). *Exploring the Black Box of Purchasing: Total procurement Costs.* (pp. 5). Proceedings of the Decision Sciences Institute.

Bushuev, M., Guiffrida, A., Shanker, M. (2011). *A Generalized Model for Evaluating Supply Chain Delivery Performance* (pp. 4-8). Marketing Management Association 2011 Proceedings, 47th Annual MBAA International Conference, Chicago.

Messina, M. J., Guiffrida, A. (2011). *Connecting Supply Chain Management with a Business Curriculum that Offers Majors in Management and Marketing* (pp. 59-62). Marketing Management Association 2011 Proceedings, 47th Annual MBAA International Conference, Chicago.

Brown, J., Guiffrida, A. (2011). *Modeling Green Transportation Costs in an Integrated Supply Chain* (pp. 48-52). Marketing Management Association 2011 Proceedings, 47th Annual MBAA International Conference, Chicago.

Bhattacharyya, K., Guiffrida, A. (2011). *Sourcing Initiatives for Best Value Supply Chains: The Case for Value Sourcing* (pp. 53-58). Marketing Management Association 2011 Proceedings, 47th Annual MBAA International Conference, Chicago.

Tao, V., Guiffrida, A., Troutt, M. (2010). *A Green Cost Based Economic Production Order Quantity Model* (pp. 210-223). Proceedings of the Kent State International Symposium on Green Supply Chains, Canton Ohio.

Reed, B., Smas, J., Rzepka, R., Guiffrida, A. (2010). *Introducing Green Transportation Costs in Supply Chain Modeling* (pp. 189-197). Proceedings of the Kent State International Symposium on Green Supply Chains, Canton Ohio.

Guiffrida, A., Paul, N. (2010). *A Performance Evaluation Model for Supply Chain Sourcing.* Proceedings of the 8th Annual International Symposium on Supply Chain Management, Toronto, Ontario Canada.

Guiffrida, A., Messina, M. J. (2009). *A Cost-Based Model for Improving Customer Waiting Times.* Proceedings of the 42nd Hawaii International Conference on Systems Sciences (HICSS-42).

Chen, L., Guiffrida, A. (2009). *A Supply Chain Performance Measurement Model with Timely Delivery and Capacity Management* (pp. 251-256). Proceedings of the Annual Decision Sciences, New Orleans.

Guiffrida, A., Apicello, A., Becka, J., Ding, R. (2009). *Transportation Based Economic Order Quantity Model* (pp. 173-178). Proceedings of the 2009 International Academy of Business and Economics, Las Vegas.

Guiffrida, A., Messina, M. J., Jaber, M. Y. (2008). *A Parametric Supply Chain Model for Assessing Market Share Potential*. Proceedings of the Sixth Annual International Symposium on Supply Chain Management, Calgary, Alberta Canada.

Guiffrida, A. (2008). *An Allocation Model for Variance Reduction in a Make to Order Serial Supply Chain*. Proceedings of the Midwest Decision Sciences, Erie Pennsylvania.

Guiffrida, A. (2008). *Modeling Customer Delivery Times Using the Asymmetric Laplace Probability Density Function* (pp. 742-758). Proceedings of the Southeast Decision Sciences, Orlando Florida.

Guiffrida, A., Papp, T. (2008). *On the Robust Properties of the Economic Order Quantity Model* (pp. 193-199). Proceedings of the Academy of Business and Economics Conference, Las Vegas Nevada.

Guiffrida, A., Rzepka, R., Jaber, M. (2007). *A Convolution Algorithm for Evaluating Supply Chain Delivery Performance* (pp. 9 pages). Proceedings of the 40th Hawaii International Conference on Systems Science (HICSS-40).

Jaber, M. Y., Bonney, M., Guiffrida, A. (2007). *Coordinating a Three Level Supply Chain with Learning-Based Continuous Improvement* (pp. 108-113). Proceedings of the 12th International Symposium on Logistics, Budapest Hungary.

Guiffrida, A., Jaber, M., Rzepka, R. (2006). *An Economic Model for Justifying the Reduction of Delivery Variance in an Integrated Supply Chain*. Proceedings of the 4th International Annual Symposium on Supply Chain Management, Toronto, Ontario Canada.

Guiffrida, A., Jaber, M. Y. (2006). *The Expected Quantity Short per Replenishment Cycle for Truncated Normal Lead Time Demand*. Proceedings of the International Academy of Business and Economics, Las Vegas Nevada.

Guiffrida, A., Ayebo, A., Jaber, M. (2004). *Inventory Service Measures under the Skew Exponential Power Distribution* (pp. 43-48). Proceedings of the 32nd International Conference on Computers and Industrial Engineering, San Francisco.

Guiffrida, A., Nagi, R. (2001). *A Cost-Based Model for Evaluating Supply Chain Performance* (pp. 233-239). Proceedings of the 29th International Conference on Computers and Industrial Engineering, Montreal Canada.

Guiffrida, A., Rzepka, R. (2001). *A Framework for Evaluating Supplier Delivery Performance* (pp. 745-753). Proceedings of the International Conference on Industrial Engineering and Production Management, Quebec City Canada.

## Journal Articles

Guiffrida, A., Datta, P. (2011). Recent developments in green and sustainable supply chains. *Management Research Review, 34*(11).

**Other**

Moussawi, L., Jaber, M., Guiffrida, A. *47. Moussawi,A Multi-Stage supply Chain Model with Uncertain Delivery Performance* . International Federation of Operational Research Society.

# Intellectual Contributions in Submission

## Refereed Journal Articles

Dechenaux, E., Tanai, Y., Guiffrida, A., Patuwo, E. Bargaining in a closed-loop supply chain with consumer returns. *International Journal of Production Research.*

# Presentations Given

Smas, J. (Presenter & Author), Guiffrida, A. (Author Only), Supply Chain Management/Operations Management Track of the 2013, "Humanitarian Supply Chains: Performance Measures, Models, and Ethical Considerations," Midwest Decision Sciences Conference, Twinsburg, Ohio, April 18-21, 2013.

Nagarajan, S., Guiffrida, A., 43rd International Business Research Conference, "A Continuous Improvement Model for Reducing Yield Loss in Supply Chains," Toronto, Ontario, Canada. (July 14, 2017).

Liang, H., Guiffrida, A., Patuwo, E., International Symposium on Supply Chain Management, "Environmental Consequences of Inventory Stockout Decisions," Canadian Purchasing Management Association, Niagara Falls, Ontario Canada. (June 14, 2016).

Guiffrida, A., International Symposium on Supply Chain Management, "Managing False Product Returns in Retail Supply Chains," Canadian Purchasing Management Association, Niagara Falls, Ontario Canada. (June 14, 2016).

Chen, L., Guiffrida, A., Sixth Global Supply Chain Management Conference: Building Bridges Between Theory and Practice, "A Sustainable Model for Evaluating Supply Chain Delivery Performance," Detroit, Michigan. (October 26, 2013).

Brown, J. (., Guiffrida, A., Sixth Global Supply Chain Management Conference: Building Bridges Between Theory and Practice, "Modeling the carbon footprint for supply chain market share growth," Detroit, Michigan. (October 26, 2013).

Guiffrida, A. (Discussant), International Academy of Business and Economics. (2012).

Bushuev, M. (Presenter & Author), Guiffrida, A. (Author Only), DSI 43nd Annual Meeting, "Impact of supply chain delivery performance on supplier and buyer costs," Decision Sciences Institute, San Francisco, CA. (November 19, 2012).

Bhattacharyya, K., Guiffrida, A., 10th Annual International Symposium on Supply Chain Management, "Investigating Buyer Spending Towards Supplier Delivery Performance," Purchasing Management Association of Canada, Toronto, Canada. (October 2, 2012).

Bushuev, M., Guiffrida, A., 10th Annual International Symposium on Supply Chain Management, "Buyer's Point of View on Supply Chain Delivery Performance," Purchasing Management Association of Canada, Toronto, Canada. (October 1, 2012).

Guiffrida, A., 10th Annual International Symposium on Supply Chain Management, "Research Feedback Forum (Invited Panelist)," Toronto Ontario Canada. (October 1, 2012).

Ngniatedema, T., Guiffrida, A., 10th International Symposium on Supply Chain Management, "Buffer Inventory Service Levels in Delayed Product Customization: A Bayesian Belief Networks Approach," Purchasing Management Association of Canada, Toronto, Canada. (October 1, 2012).

Guiffrida, A., Ngniatedema, T., Jaber, M. Y., 54th Annual Canadian Operational Research Conference, "Modeling Supply Chain Delivery Performance," Canadian Operational Research Society, Niagara Falls, Ontario Canada. (June 11, 2012).

Guiffrida, A., Lewis, S., Messina, M. J., Wellington, J. F., 48th Annual MBAA International Conference, "A Delivery Performance Model for Multistage Supply Chains," Chicago Illinois. (March 28, 2012).

Ngniatedema, T., Bushuev, M., Guiffrida, A., 48th Annual MBAA International Conference, "A Performance Model for Learning Based Improvement," Chicago, Illinois. (March 28, 2012).

Haring, R. C., Freeman, B., Guiffrida, A., Dennis, M. L., 23rd Annual Native Health Research Conference, "Relationship Building for a Healthy Future: Indigenous Youth Pathways for Resiliency and Recovery," Niagara Falls, New York. (June 27, 2011).

Shanker, M., Bushuev, M., Guiffrida, A., MBAA International Conference, "A generalized model for evaluating supply chain delivery performance," Chicago. (March 2011).

Guiffrida, A., 8th Annual International Symposium on Supply Chain Management, "Performance Measurment (Invited Panelist)," Toronto, Ontario Canada. (2010).

Guiffrida, A., Marketing Management Association Fall Educators' Conference, "Using Value Chains to Integrate the Marketing and Management Curriculums," Indianapolis, Indiana. (2010).

Wellington, J. F., Guiffrida, A., Michael, M. J., "Enumeration Scheme for Some Common Resource Allocation Problems: A Pedagogical Contribution," 2010 Annual Meeting of the Academic Business Disciplines, Fort Myers, Florida. (November 10, 2010).

Chen, L., Guiffrida, A., "An Economic Model for Supply Chain Delivery Performance," Canadian Operational Research Society/INFORMS, Toronto Ontario Canada. (June 14, 2009).

Bhattacharyya, K., Guiffrida, A., "Service Supply Chains with Independent and Dependent Stages: The Impact on Customer Waiting Times," Canadian Operational Research Society/INFORMS, Toronto Ontario Canada. (June 14, 2009).

Guiffrida, A. (Discussant), International Academy of Business and Economics Conference. (2008).

Guiffrida, A. (Discussant), Southeast Decision Sciences Conference. (2008).

Guiffrida, A. (Discussant), International Academy of Business and Economics. (2006).

Guiffrida, A. (Discussant), International Academy of Business and Economics. (2005).

# TEACHING

## Teaching Experience

**Kent State University**
MIS 24056, FUND-BUSINESS STATISTICS, 14 courses.
MIS 34055, COMP DECISION MODELING, 1 course.
MIS 34059, SERVICE OPERATIONS MANAGEMENT, 2 courses.
MIS 34060, OPERATIONS MANAGEMENT, 1 course.
MIS 34064, MFG RESOURCE PLANNING, 4 courses.
MIS 34065, QUALITY ASSURANCE, 1 course.
MIS 44061, OP PLANNING/CONTROL, 3 courses.
MIS 44062, SUPPLY CHAIN MANAGEMENT, 10 courses.
MIS 44065, STRAT-PROD AND OPERS MGMT, 4 courses.
MIS 60095, ST: GLOBAL SUPPLY CHAIN BUS MOD, 4 courses.
MIS 64005, ANALYTICS FOR DECISION MAKING, 5 courses.
MIS 64019, QUANT MGMT MODELING, 1 course.
MIS 64029, VENDOR MANAGEMENT STRATEGIES, 3 courses.
MIS 74018, MATHEMATICAL PROGRAMMING, 1 course.
MIS 74019, SUPPLY CHAIN MANAGEMENT, 3 courses.
MIS 84012, SCHEDULING AND PLANNING, 2 courses.
MIS 84023, LINEAR STATISTICAL MODELS, 1 course.
MIS 84047, VALUE AND SUPPLY CHAIN MGMT, 2 courses.
MIS 84112, RESEARCH METHODOLOGY, 5 courses.
MIS 84266, READINGS IN MANAGEMENT SYSTEMS, 1 course.

## Directed Student Learning

Dissertation Committee Co-chair, Management and Information Systems. (September 2016 - Present).
Advised: Mateusz Lozykowski

Dissertation Committee Member, Finance. (September 2016 - Present).
Advised: Shaojie Lai

Dissertation Committee Member, "An Examination of the Association of Firm Credit Ratings with Real Activities Manipulation, Audit Quality, Corporate Governance, and Credit Default Swaps," Accounting. (2011 - Present).
Advised: Logan Browning,

Dissertation Committee Member, "The Development of Technology Acceptance Model for Adoption of Mobile Banking in Pakistan." (June 2016 - November 2016).
Advised: Muhammad Ibrahim

Dissertation Committee Co-chair, "Capturing Value from Decentralized Supply Chain with Third Party Logistics," Management and Information Systems. (September 2014 - July 2016).
Advised: Yertai Tanai

Individual/Independent Study, "Learning to Lead Mentorship," Management and Information Systems. (January 2016 - May 2016).
Advised: Jiashen Li

Dissertation Committee Member, "Sensemaking in Big Data: Conceptual and Empirical Approaches to Actionable Knowledge Generation from Unstructured Text Streams,"

Management and Information Systems. (2014 - 2015).
Advised: Jeff Hill

Dissertation Committee Member, "Essays on Governance Perspective on Franchising,"
Marketing. (2012 - 2015).
Advised: Andrey Kretinin

Dissertation Committee Member, "The Effect of Accounting Quality, Real Activities Earnings
Management and Corporate Governance on Credit Ratings," Accounting. (2011 - 2014).
Advised: Matthew Geiszler

Dissertation Committee Member, "Sustainability Analysis and Assessment in the Supply Chain."
(January 2014 - August 2014).
Advised: Payman Ahi

Dissertation Committee Member, "Essays on Social Venture Antecedents, Consequences, and
Strategies," Marketing. (2011 - 2013).
Advised: Karla Mendoza Abarca

Dissertation Committee Member, "Cards, Creatures, and Almost Anything: A Study of Children's
Trading," Marketing. (2011 - 2013).
Advised: Maria Yeh

Dissertation Committee Chair, "Stochastic and Discrete Green Supply Chain Delivery Models,"
Management and Information Systems. (2010 - 2013).
Advised: Jay Brown

Dissertation Committee Chair, "Supply Chain Delivery Performance: Points of View of a Supplier
and a Buyer," Management and Information Systems. (2010 - 2013).
Advised: Maxim Bushuev

Dissertation Committee Co-chair, "Carbon Emission Modeling in Green Supply Chain
Management," Management and Information Systems. (2010 - 2013).
Advised: Zhi Tao

Individual/Independent Study, "Learning to Lead Mentorship," Management and Information
Systems. (2012).
Advised: Kevin Lord

Dissertation Committee Member, "The Implications of Real Options on ERP-Enabled Adoption,"
Management and Information Systems. (2010 - 2012).
Advised: Joseph Nwankpa

Dissertation Committee Chair, "Value Sourcing in Supply Chains," Management and Information
Systems. (2010 - 2011).
Advised: Kuntal Bhattacharyya

Dissertation Committee Member, "Fair Share of Costs and Revenue through Transfer Pricing in
Supply Chains with Stochastic Demand," Management and Information Systems. (2009 -
2011).
Advised: Lihua Chen

Dissertation Committee Member, "Cost Reduction Through Assembly Postponement in Mass
Customization," Management and Information Systems. (2009 - 2010).
Advised: Thomas Ngniatedema

Dissertation Committee Member, "A Seasonal Shelf Space Reorder Model Decision Support System," Management and Information Systems. (2007 - 2010).
Advised: Susan Horne

Individual/Independent Study, "Learning to Lead Mentorship," Finance. (2009).
Advised: Benjamin Reed

Individual/Independent Study, "Quality and Reliability Management," Management and Information Systems. (August 24, 2006 - December 14, 2006).
Advised: Susan Horne

# SERVICE

## Editorial and Review Activities

Editorial Board Member, "Marketing Management Journal." (August 30, 2012 - Present).

Ad Hoc Reviewer, "Applied Mathematical Modeling." (2016).

Ad Hoc Reviewer, "Management Research Review." (2016).

Ad Hoc Reviewer, "Applied Mathematical Modelling." (2015).

Ad Hoc Reviewer, "Applied Mathematical Modelling." (2015).

Ad Hoc Reviewer, "Sustainability." (2015).

Ad Hoc Reviewer, "International Journal of Production Research." (2014).

Ad Hoc Reviewer, "International Journal of Production Economics." (2013).

Ad Hoc Reviewer, "International Journal of Production Economics." (2013).

Ad Hoc Reviewer, "Applied Mathematical Modeling." (2012).

Ad Hoc Reviewer, "Computers and Industrial Engineering." (2012).

Ad Hoc Reviewer, "International Journal of Production Economics." (2012).

Ad Hoc Reviewer, "International Journal of Production Economics." (2012).

Ad Hoc Reviewer, "International Journal of Production Research." (2012).

Ad Hoc Reviewer, "Journal of the Operational Research Society." (2012).

Ad Hoc Reviewer, "Management Marketing Proceedings 2012 of the 48th Annual MBAA Conference, Chicago." (2012).

Invited Manuscript Reviewer, "Proceedings of the 10th Annual International Symposium (2012) on Supply Chain Management." (2012).

Invited Manuscript Reviewer, "Proceedings of the 9th International Symposium (2011) on Supply Chain Management." (2011).

Ad Hoc Reviewer, "Computers and Industrial Engineering." (2010).

Ad Hoc Reviewer, "International Journal of Production Economics." (2010).

Ad Hoc Reviewer, "International Journal of Production Research." (2010).

Ad Hoc Reviewer, "Proceedings of the 2010 Annual Decision Sciences Conference." (2010).

Ad Hoc Reviewer, "Proceedings of the 2010 International Academy of Business and Economics Conference." (2010).

Invited Manuscript Reviewer, "Proceedings of the 8th International Symposium (2010) on Supply Chain Management." (2010).

Ad Hoc Reviewer, "International Journal of Production Economics." (2009).

Ad Hoc Reviewer, "Proceedings of the 2009 Annual Decision Sciences Conference." (2009).

Ad Hoc Reviewer, "Proceedings of the 2009 International Academy of Business and Economics." (2009).

Ad Hoc Reviewer, "Proceedings of the Hawaii International Conference on Systems Sciences (HICSS-42)." (2009).

Invited Manuscript Reviewer, "Proceedings of the Seventh International Symposium (2009) on Supply Chain Management." (2009).

Ad Hoc Reviewer, "Computers and Industrial Engineering." (2008).

Ad Hoc Reviewer, "Computers and Operations Research." (2008).

Ad Hoc Reviewer, "Proceedings of the 2008 Annual Decision Sciences Conference." (2008).

Ad Hoc Reviewer, "Proceedings of the 2008 Midwest Decision Sciences Institute." (2008).

Ad Hoc Reviewer, "Proceedings of the 2008 Southeastern Decision Sciences Conference." (2008).

Invited Manuscript Reviewer, "Proceedings of the Sixth International Symposium (2008) on Supply Chain Management." (2008).

Ad Hoc Reviewer, "Supply Chain Management: An International Journal." (2008).

Ad Hoc Reviewer, "Journal of Logistics." (2007).

Ad Hoc Reviewer, "Proceedings of the 2007 Annual Decision Sciences Conference." (2007).

Invited Manuscript Reviewer, "Proceedings of the Fifth International Symposium (2007) on Supply Chain Management." (2007).

Ad Hoc Reviewer, "Applied Mathematical Modeling." (2006).

Ad Hoc Reviewer, "Omega; International Journal of Management Science." (2006).

Ad Hoc Reviewer, "Proceedings of the 2006 Annual Decision Sciences Conference." (2006).

Ad Hoc Reviewer, "Proceedings of the 2006 Industrial Engineering Research Conference." (2006).

Ad Hoc Reviewer, "Computers and Operations Research." (2005).

Ad Hoc Reviewer, "European Journal of Operational Research." (2005).

Ad Hoc Reviewer, "Proceedings of the 2003 Northwest Decision Sciences Conference." (2003).

Ad Hoc Reviewer, "Proceedings of the 2002 Northeast Decision Sciences Conference." (2002).

Ad Hoc Reviewer, "Proceedings of the 2001 Northeast Decision Sciences Conference." (2001).

## General Service

### College

Committee Member, Curriculum Advisory Committee (CAC). (January 2017 - August 2017).

Committee Member, Graduate Council. (August 23, 2011 - August 23, 2013).

### Department

Committee Member, Faculty Advisory Committee. (September 1, 2011 - August 31, 2013).

Ph.D. Coordinator, Ph.D. Coordinator Department of Management and Information Systems. (August 29, 2011 - August 29, 2013).

Participated in candidate interviews/evaluations, Search Committee. (2012).

Committee Member, Department Review Committee. (2011 - 2012).

Participated in candidate interviews/evaluation, Search Committee. (2007).

### Other

External examiner for the dissertation "Sustainability Analysis and Assessment in the Supply Chain" by Payman Ahi, Department of Mechanical & Industrial Engineering, Ryerson University, Toronto, Canada. (August 2014).

Attendee, Convocation, Kent State Presidential Convocation. (2007).

Attendee, Meeting, AACSB mock accreditation. (April 30, 2007).

### Professional

Tenure Reviewer for Another Institution, External tenure reviewer for Cleveland State University. (2016).

Conference Program Organizer, 2016 International Supply Chain Management Symposium Niagara Falls Canada. (2015).

Tenure Reviewer for Another Institution, External Tenure Reviewer for The American University Beirut. (2015).

Conference Program Organizer, 2014 International Supply Chain Management Symposium, Edmonton, Canada. (2014).

Conference Session Chair, International Conference on Operations Research (ICOR2014), Toronto, Canada. (2014).

Conference Session Chair, 6th Global Supply Chain Management Conference, Dearborn, Michigan. (2013).

Tenure Reviewer for Another Institution, External Tenure Reviewer for The University of Akron. (2013).

Conference Session Chair, International Academy of Business and Economics, Las Vegas Nevada. (2013).

Conference Session Chair, Midwest Decision Sciences Conference, Twinsburg Ohio. (2013).

Conference Session Chair, Midwest Decision Sciences Conference, Grand Rapids Michigan. (2012).

Conference Program Organizer, Tenth Annual International Symposium on Supply Chain Management, Toronto Canada. (2012).

Conference Program Organizer, Ninth Annual International Symposium on Supply Chain Management. (2011).

Conference Program Organizer, 8th International Symposium on Supply Chain Management, Toronto Canada. (2010).

Conference Session Chair, International Academy of Business and Economics Conference, Las Vegas Nevada. (2010).

Conference Session Chair, International Academy of Business and Economics Conference. (2009).

Conference Program Organizer, Seventh International Symposium on Supply Chain Management. (2009).

Conference Session Chair, Midwest Decision Sciences Conference. (2008).

Conference Program Organizer, Sixth International Symposium on Supply Chain Management, Member. (2008).

Conference Program Organizer, Fifth International Symposium on Supply Chain Management, Member. (2007).

## Student Organization

Invited Panelist "Tips on Publishing", Doctoral Student Association (DMSA). (September 20, 2012).

Invited Panelist "Writing Research Papers", Doctoral Student Association (DMSA). (2011).

Case Judge for Kent State Student Team, Molson Case Competition. (October 31, 2008).

Case Judge for Kent State Student Team, Molson Case Competition. (November 30, 2007).

**University**

Attendee, Graduation. (December 2016).

Student Recruiter, Kent State College of Business. (July 2008).

# OTHER

## Professional Memberships

Institute for Operations Research and the Management Sciences (INFORMS).

## Development Activities Attended

Attended Conference, "Connaught Global Challenge Symposium on CO2 Solutions to Climate Change," University of Toronto, Toronto, Ontario, Canada. (May 8, 2017 - May 10, 2017).

Attended Conference, "ICOSDA 2016: International Conference on Statistical Distributions and Applications," Central Michigan University, Niagara Falls, Ontario, Canada. (October 15, 2016 - October 16, 2016).

Attended Conference, "Relating Systems Thinking and Design (RSD5) Symposium," Ontario College, Toronto, Ontario Canada. (October 14, 2016).

Attended Conference, "AACSB Sustainability Conference: Fostering the Social Impact of B-Schools," AACSB, Washington, D. C. (June 23, 2013 - June 25, 2013).

Seminar, "Reducing the Carbon Footprint Modeling and Analysis of a Carbon Tax Policy Based on the Emission Factor," University of Toronto Operations Research Group. (April 5, 2012).

Invited Research Scholar, "Invited Research Scholar Dep. of Mechanical and Industrial Engineering Ryerson University," Department of Mechanical and Industrial Engineering, Ryerson University, Toronto, Ontario Canada. (September 19, 2011 - September 23, 2011).

Attended Conference, "4th Annual Global Supply Chain Forum," The University of Akron, Akron, Ohio. (September 17, 2010).

Attended Conference, "The Great Lakes/St. Lawrence Marine Highway Conference," John Carroll University/Port of Cleveland, University Heights, Ohio. (August 30, 2010).

Attended Conference, "Second Engineering Optimization Day," Department of Management Sciences, University of Waterloo, Ontario, Canada. (March 31, 2010).

Attended Conference, "Logistics in Northeast Ohio," NEOTEC/John Carroll University, University Heights, Ohio. (March 19, 2010).

# Dong Heon Kwak

Kent State University
Management and Information Systems
Business Administration Building A428
Email: dkwak@kent.edu

## Education

Ph.D., University of Wisconsin-Milwaukee, 2014.
Major: Management Information Systems
Supporting Areas of Emphasis: Behaviors of Organizations and Consumers
Dissertation Title: Three Essays on the Effects of Charity Website Design on Online
Donations

MS, Morehead State University, 2009.
Major: Information Systems

BA, Yeungnam University, 2005.
Major: Sociology

BBA, Yeungnam University, 2005.
Major: Management

## Academic, Military and Professional Positions

### Academic

Assistant Professor, Kent State University. (September 2014 - Present).

Teaching and Research Assistant, University of Wisconsin-Milwaukee. (August 2009 - May 2014)..

## Awards and Honors

### Research

Americas Conference on Information Systems (AMCIS) Doctoral Consortium, Association for Information Systems. (August 2013).

Roger L. Fitzsimonds Doctoral Scholarship, University of Wisconsin-Milwaukee. (August 2013).

Sheldon B. Lubar Doctoral Scholarship, University of Wisconsin-Milwaukee. (August 2013).

Chancellor's Fellowship, University of Wisconsin-Milwaukee. (August 2009).

# RESEARCH

## Published Intellectual Contributions

### Refereed Journal Articles

Darbanhosseiniamirkhiz, M., Kwak, D.-H., Deng, S., Srite, M., Lee, S. (2016). *Computers & Education, 103.*

Kwak, D.-H., Kizzier, D., Zo, H., Jung, E. (2012). Cross-Cultural Investigation of Security Knowledge Process. *International Journal of Business Information Systems, 10*(1), 1-19.

Kwak, D.-H., Kizzier, D., Zo, H., Jung, E. (2011). Understanding Security Knowledge and National Culture: A Comparative Investigation between Korea and the U.S. *Asia Pacific Journal of Information Systems, 21*(3), 51-69.

### Conference Proceedings

Kuem, J., Wu, J., Kwak, D.-H., Deng, S., Srite, M. (2016). *Socio-Cognitive and Affective Processing in the Context of Team-Based Gamified ERP Training: Reflective and Impulsive Model.* Proceedings of the 11th Midwest Association for Information Systems Conference.

Elnoshokaty, A., Deng, S., Kwak, D.-H. (2016). *Success Factors of Online Petition: Evidence from Change.org.* Proceedings of the 49th Hawaii International Conferences on System Sciences.

Kwak, D.-H., Jain, H. (2015). *Role of Web and E-Commerce in Poverty Reduction: Ecological Systems Theory.* Proceedings of the 14th Workshop on e-Business.

Darbanhosseiniamirkhiz, M., Liang, H., Kwak, D.-H., Srite, M. (2015). *Mediating Role of Knowledge Update in an ERP Simulation Game.* Proceedings of the 46th Decision Science Institute.

Kwak, D.-H., Polites, G. L., Darbanhosseiniamirkhiz, M., Deng, S. (2015). *The Moderating Role of Espoused National Cultural Values on Perceptions of Privacy Assurance Mechanisms.* Proceedings of the 21st Americas Conference on Information Systems.

Kwak, D.-H., Srite, M., Hightower, R., Haseman, W. D. (2013). *How does Team Cohesion Influence Attitude Change?* International Conference on Information Systems.

Kwak, D.-H., Deng, S., Neely, D., Zhao, H. (2012). *What Should be Considered to Attract Charity Website Visitors.* Workshop on e-Business.

Kwak, D.-H., Ramamurthy, K. (2011). *IOS Resources, Electronic Cooperation, and Performance: A Conceptual Model.* Hawaii International Conferences on System Sciences.

Kwak, D.-H., Kizzier, D., Jung, E. (2011). *Spyware Knowledge in Anti-Spyware Program Adoption: Effects on Risk, Trust, and Intention to Use.* Hawaii International Conference on System Science.

## Presentations Given

Kwak, D.-H. (Presenter & Author), Polites, G. L. (Author Only), Darbanhosseiniamirkhiz, M. (Author Only), Deng, S. (Author Only), Americas Conference on Information Systems (AMCIS), ""The Moderating Role of Espoused National Cultural Values on Perceptions of Privacy Assurance Mechanisms"," Association for Information Systems (AIS), Puerto Rico. (August 13, 2015).

## Research Currently in Progress

Chen, Y., Deng, S., Kwak, D.-H., Elnoshokaty, A. and Wu, J. "A Framework of Multi-Appeals of Persuasion for Online Petition Success: A Linguistic Cue-Based Approach" Under Review at Journal of Association for Information Systems

Kwak, D.-H., Holtkamp, P., and Kim, S. S. "Measuring and Controlling Social Desirability Bias: Applications in Information Systems Research," Under Review at Journal of Association for Information Systems

Kwak, D.-H., Ma, X., Polites, G. L., Srite, M., Hightower, R., and Haseman, W. "The Moderating Role of Team Cohesion in Utilitarian and Hedonic Information Processing: Evidence in the Context of Team-Based Gamified Training." Under Review at Journal of Association for Information Systems

Kwak, D.-H., Ramamurthy, K., Nazareth, D, and Deng, S. "Antecedents and Consequences of Content Consistency in Charity Website Design" Under Review at European Journal of Information Systems

Kwak, D.-H., Ramamurthy, K., Nazareth, D., and Chen, Y. "Charity Website Evaluation and Reputation Formation: From the Perspective of Reflective and Impulsive Model," Targeting at Journal of Strategic Management Journal

Kwak, D.-H., Ramamurthy, K., Nazareth, D., and Lee, S. "Moderating Role of Helper's High in Anchoring Process: Context of Charity Website Design" Under Review at Information and Management

Kwak, D.-H., Shuyuan, D., and Kim, S. S. "Earning Game Points in Mobile Gaming: Goal-Oriented Model and Its Empirical Test" Targeting at MIS Quarterly

## TEACHING

## Teaching Experience

**Kent State University**
BUSN 60095, ST: SIMULATION GAME AND BUS AN, 1 course.
MIS 34036, ENTERPRISE SYS AND BUS PROCESS, 3 courses.
MIS 44042, NETWORK THEORY/APPLICATION, 3 courses.
MIS 44049, NETWORK MGT AND SECURITY, 3 courses.
MIS 44295, ST: SIM GAME AND BUS ANALYTICS, 3 courses.

MIS 60095, ST: BUSINESS PROCESSES AND ANA, 2 courses.
MIS 84045, SOCIAL ISSUES IN IS, 1 course.

# SERVICE

## General Service

### Department

Committee Member, Scholarship Committee of the Center for Information Systems, Member. (September 2016 - Present).

Committee Member, Department PhD committee, Member. (January 2015 - Present).

# OTHER

## Professional Memberships

Association for Information Systems, Member. (April 2015 - Present).

# Khuong Le-Nguyen

Kent State University
Management and Information Systems
Email: klenguye@kent.edu

## Education

Ph.D., University of London, 2010.
Major: Management
Supporting Areas of Emphasis: Information Systems

MS, University of Warwick, 2004.
Major: Management
Supporting Areas of Emphasis: Information Systems

BS, HCMC University of Technology, 1998.
Major: Civil Engineering

## Licensures and Certifications

Certificate of Achievement in Power BI: Data Visualization & Analysis, Microsoft. (June 20, 2015 - Present).

## Academic, Military and Professional Positions

### Academic

Assistant Professor, Kent State University. (2016 - Present).

Regular member, Association for Information Systems. (July 1, 2007 - Present).

## Consulting

Management Consulting, Vietnam Chamber of Commerce and Industry (VCCI), Saigon, Vietnam. (March 1, 2011 - September 11, 2011).

## RESEARCH

## Published Intellectual Contributions

### Refereed Journal Articles

Le-Nguyen, K. (2016). "Exploring Knowledge Management technologies implementation from a situated knowledge work context perspective". *Information Systems Frontiers*.

Le-Nguyen, K. Developing an enterprise social software platform: Insights from a Chinese leading firm. *To appear in Journal of Information Technology*.

Le-Nguyen, K. (2016). Choosing e-commerce strategies: A Case of eBay partnership in Vietnam. *Journal of Information Technology*.

Le-Nguyen, K. (2015). The Impact of Government Subsidies on Enterprises' R&D Investment: A Panel Data Study. *Energy Policy*.

Le-Nguyen, K. (2014). IT-Ration's Quest for Growth: A Market Choice Challenge. *International Journal of Case Studies in Management*.

Le-Nguyen, K. (2013). Understanding Knowledge Management technology-organization misalignments from an institutional perspective. *International Journal of Information Management*.

## Presentations Given

LE, K. (Author Only), Pacific Asian Conference on Information Systems (PACIS) 2016, Taiwan, Taiwan. (June 2016).

LE-NGUYEN, K. (Author Only), Marketing Dynamic Capabilities of international firms: A knowledge integration mechanism perspective, SAVANAH, GEORGIA. (November 2015).

LE-NGUYEN, K. (Author Only), Consumer acceptance and use of information technology products: An integrative expectation-confirmation model, Puerto Rico. (August 2015).

LE-NGUYEN, K. (Author Only), Understanding seller-buyer trust in cross-border e-commerce: A conceptual framework, Puerto Rico. (August 2015).

LE-NGUYEN, K. (Presenter & Author), Business School, Hohai University, Nanjing, China, "Big Data & Customer Analytics: Towards a customer-centric organization," Business School, Hohai University, Nanjing, China, Business School, Hohai University, Nanjing, China. (July 2015).

# TEACHING

## Teaching Experience

**Kent State University**
MIS 34054, USING IS FOR BUS PROBLEMS, 1 course.
MIS 44043, DATABASE MANAGEMENT SYSTEMS, 1 course.
MIS 64036, BUSINESS ANALYTICS, 1 course.
MIS 64038, ANALYTICS IN PRACTICE, 1 course.
MIS 84047, VALUE AND SUPPLY CHAIN MGMT, 1 course.

# SERVICE

## General Service

### College

Design MASTER OF SCIENCE BUSINESS ANALYTICS, Member. (May 1, 2016 - Present).

### Department

Committee Member, FAC, Member. (2016 - Present).

Committee Member, Association of Information Systems, Member. (September 10, 2007 - Present).

# Felix Offodile

Kent State University
Management and Information Systems
Business Administration Building A432
(330) 672-1141
Email: foffodil@kent.edu

## Education

Ph.D., Texas Tech University, 1984.
Major: Industrial Engineering

MS, Texas Tech University, 1980.
Major: Industrial Engineering
Supporting Areas of Emphasis: Operations Research

BS, Texas Tech University, 1978.
Major: Industrial Engineering

## Academic, Military and Professional Positions

### Academic

Professor and Chair, Kent State University. (September 2003 - Present).

Professor, Kent State University. (September 2002 - Present).

Associate Professor, Kent State University. (September 1992 - August 2002).

Assistant Professor, Kent State University. (September 1988 - August 1992).

## Consulting

Management Consulting, Rocketcalc, Kent, OH. (January 2005 - April 2005).

Management Consulting, T-Shirts Plus, Streetsboro, OH. (January 2005 - April 2005).

Management Consulting, 3D Precision Optics, Ravenna, OH. (January 2003 - April 2003).

Management Consulting, Earth Tones, Kent, OH. (January 2003 - April 2003).

Technical/Professional Work, The Will-Burt Company, Orrville, Ohio. (2000 - 2001).

## Awards and Honors

### Teaching

Pfeifer Award for Teaching Excellence. (April 2004).

# RESEARCH

## Published Intellectual Contributions

### Book Chapters

Gopalakrishna Remani, V., Bhattacharyya, K., Offodile, F. (2013). *A decision framework for manufacturing outsourcing.*

Khouja, M., Offodile, F., Booth, D., Suh, M. (2000). *The industrial robot selection problem including related procedures for robotic assembly cell design* (pp. 646-653). Encyclopedia of Production and Manufacturing Management. Swammidas Paul (Ed.) (Boston, MA: Kluwer Academic Publishers).

### Refereed Journal Articles

Ghosh, S., Offodile, F. (2016). A Real Options Model of Phased Migration to Cellular Manufacturing. *International Journal of Production Research, 54*(3).

Smith, A. D., Offodile, F. (2016). Green and sustainability corporate initiatives: A case study of goods and services design. *International Journal of Process Management and Benchmarking, 6*(3), 273-299.

Smith-Ditizio, A. A., Smith, A., Gopalakrishna-Remani, V., Offodile, F. (2013). Gender preferences concerning identity theft and technology-related issues with sports e-ticketing. *International Journal of Services and Operations Management/Inderscience, 13*(3), 279-309.

Smith, A., Offodile, F. (2011). Service operations management: Case studies of architecture firms' commitment to quality assurance. *International Journal of Services and Operations Management, 9*(2), 141-161.

Xue, G., Offodile, F., Zhou, H., Troutt, M. (2011). Integrated production planning with sequence-dependent family setup times. *International Journal of Production Economics, 131*(2), 674-681.

Bhattacharyya, K., Datta, P., Offodile, F. (2010). The Impact of Third-Party Indices on Global Operational Risks. *Journal of Supply Chain Management, 24*(2).

Ghosh, S., Troutt, M., Thornton, J., Offodile, F. (2010). An Empirical Method for Assessing the Research Relevance Gap. *European Journal of Operational Research, 942-948*(4), 25-43.

Smith, A., Offodile, F. (2009). The perceived importance of major RFID-related technology initiatives among retail store managers. *International Journal of Services and Operations Management, 5*(4), 520-547.

Smith, A., Offodile, F. (2008). Data Collection Automation and Total Quality Management: Case Studies in the Health-Service Industry. *Health-Service Industry Health Marketing Quarterly, 25*(3), 217-240.

Smith, A., Offodile, F. (2008). Data Collection Automation and Total Quality Management: Case Studies in the Health-Service Industry. *Health-Service Industry Health Marketing Quarterly, 25*(3), 217-240.

Smith, A., Offodile, F. (2008). Gauging web portals impact on supply chain management concepts. *International Journal of Logistics and Supply Management, 4*(2), 184-206.

Smith, A., Offodile, F. (2008). Operational Aspects Associated with Strategic Layout Designs and their Effectiveness: A Multiple Case Study. *Logistic Systems & Management, 4*(6), 710-727.

Smith, A., Offodile, F. (2008). Operational Aspects Associated with Strategic Layout Designs and their Effectiveness: A Multiple Case Study. *Logistic Systems & Management, 4*(6), 710-727.

Smith, A., Offodile, F. (2008). Strategic Importance of Team Integration Issues in the product Development Process to Improve Manufacturability. *Team Performance Management: An International Journal, 14*(5/6), 269-292.

Smith, A., Offodile, F. (2007). Exploring forecasting and project management characteristics of supply chain management. *International Journal of Logistics and Supply Chain Management, 3*(2), 174-214.

Smith, A., Offodile, F. (2007). Exploring forecasting and project management characteristics of supply chain management. *International Journal of Logistics and Supply Chain Management, 3*(2), 174-214.

Goeke, R., Offodile, F. (2005). Forecasting management philosophy of life cycles: a comparative study of six sigma and TQM. *Quality Management Journal, 12*(2), 13.

Smith, A., Offodile, F. (2002). Information management of automatic data capture: an overview of technical developments. *Information Management and Computer Security, 10*(3), 109-118.

Offodile, F., Abdel-Malek, L. (2002). The virtual manufacturing paradigm: The impact of IT/IS outsourcing on manufacturing strategy. *The International Journal of Production Economics, 75*, 147-159.

Beugre, C. D., Offodile, O. F. (2001). Managing for organizational effectiveness in sub-Saharan Africa: A culture-fit model. *The International Journal of Human Resource Management, 12*(4), 535-550.

### Conference Proceedings

Gopalakrishna Remani, V., Bhattacharyya, K., Offodile, F. *Manufacturing Outsourcing: The Dark Side*. Decision Science Institute.

Datta, P., Offodile, F. (2008). *Strategic Pacing of Innovations*. Washington DC: INFORMS Conference.

## Intellectual Contributions in Submission

### Refereed Journal Articles

Zhao, X., Offodile, F. O. The impact of geographical proximity and cultural ties on spatial exogenous online consumption. *Electronic Commerce Research and Applications*.

Xue, G., Hong, Z., Offodile, F. Iterative optimization of hierarchical production planning system with setup time feasibility for improving supply chain effectiveness. *Computers & Industrial Engineering*.

Offodile, F. The Role of Standard Data Tables in the Reliability Design of Complex Mechanisms. *American Society for Quality*.

**Journal Articles**

Tao, V., Patuwo, E., Offodile, F. Lead time reduction in supply chain management. *European journal of operational research.*

# Presentations Given

Offodile, F. O., Education Fair, "Business Analytics Education at Kent State University," AfriHUB Nigeria Ltd, Abuja, Nigeria. (October 18, 2016).

Offodile, F. O., Education Fair, "Business Analytics Education at Kent State University," Ghana Institute of Management & Public Administration, Accra, Ghana. (October 13, 2016).

Offodile, F. O. (Presenter & Author), Education Fair, "Business Analytics Education at Kent State University," KCA University, Nairobi, Kenya. (October 10, 2016).

Offodile, F. O. (Presenter & Author), Education Fair, "Business Education in the United States," Gee Bee, Mumbai, India. (September 11, 2016).

Smith, A. D. (Presenter & Author), Offodile, F., Eco-friendly Marketing Issues in a Web-Engaged Environment session, "Green and sustainability corporate initiatives: A case study of goods and service design," Atlantic Marketing Association, Asheville, NC. (September 26, 2014).

Brandyberry, A. A., Offodile, F., Smith, A., 2009 Decision Sciences Institute Annual Conference, "Exploring Threats to New Product Development, Manufacturability, and Development Team Processes within Smart Card-Related Industries," Decision Sciences Institute, New Orleans. (November 2009).

Datta, P., Offodile, F., Decision Sciences Institute Annual Conference, "The Role of Global Supply Chain Complexities on Supply Chain Outsourcing," Decision Sciences Institute, Baltimore, MD. (November 21, 2008).

Datta, P., Offodile, F., INFORMS Annual Conference, "[Re]Evolution of Global Supply Chains: Preconditions and Consequences of Supply Chain Outsourcing," INFORMS, Baltimore, MD. (November 21, 2008).

# TEACHING

# Teaching Experience

**Kent State University**
BAD 64033, MODERN MANUFACT MGMT, 1 course.
BAD 64041, OPERATIONS MANAGEMENT, 22 courses.
BAD 64047, MFG TECH AND STRATEGY, 2 courses.
BAD 67040, OPERATIONS MANAGEMENT-EMBA, 5 courses.
BAD 74033, MODERN MANUFACTURING MGT, 1 course.
BAD 74047, MFG TECH AND STRATEGY, 4 courses.
BAD 80199, DISSERTATION I, 1 course.
BAD 80299, DISSERTATION II, 1 course.
BAD 84047, MFG TECHNOLOGY AND STRATEGY, 2 courses.
MIS 34060, OPERATIONS MANAGEMENT, 3 courses.
MIS 44096, INDIV INVEST-MANAGEMENT, 1 course.
MIS 60095, ST: MANAGING PEOPLE IN ORGANIZ, 1 course.
MIS 64041, OPS SUPPLY CHAIN MANAGEMENT, 10 courses.

## Directed Student Learning

Dissertation Committee Co-chair, "Carbon Emission Modeling in Green Supply Chain Management," Management and Information Systems. (August 2010 - May 2013).
Advised: Zhi (Vicky) Tao

Dissertation Committee Co-chair, "A Simulation and Evaluation Study of the Economic Production Quantity Lot Size and Kanban for a Single Line, Multi-Product Production System Under Various Setup Times," Management and Information Systems. (2003 - August 2008).
Advised: Terry Moran

Dissertation Committee Member, "Essays on the Spatial Analysis of manufacturing Employment in the U.S.," Management and Information Systems. (2003 - August 2008).
Advised: Jolien Helsel

Dissertation Committee Member, Management and Information Systems. (2001 - 2005).
Advised: Eileen Keller

Dissertation Committee Chair, Management and Information Systems. (2001 - 2004).
Advised: Alan Smith

Dissertation Committee Member, Management and Information Systems. (1998 - 2002).
Advised: John Mahaney

# SERVICE

## General Service

### College

Committee Member, College of Business Dean Review Committee, Member. (November 2005 - Present).

### University

Committee Member, KSU Presidential Search Committee, Member. (November 2005 - Present).

# OTHER

## Professional Memberships

APICS. (January 1, 1988 - Present).

## Development Activities Attended

Seminar, "Flexible Production as a Competitive Business Advantage," Managing Automation, Web Cast. (March 14, 2006).

Seminar, "Enhancing Education through Active Learning and Technology: A Workshop of Tools, Techniques and Experiences," John Wiley & Sons, Inc., Web Cast. (February 15, 2006).

Seminar, "Strategic Management Seminar," AACSB, Tampa, FL. (January 19, 2006 - January 23, 2006).

# Butje E. Patuwo
Kent State University
Management and Information Systems
Business Administration Building A403
(330) 672-1163
Email: epatuwo1@kent.edu

## Education

Ph.D. Virginia Polytechnic Institute & State University, 1989.
   Major: Industrial Engineering & Operations Research
   Dissertation Title: The Effect of the dependency in the Markov Renewal Arrival Process on the various performance measures of an exponential server Queue

## Academic, Military and Professional Positions

### Academic

Professor, Kent State University. (August 1988 - Present).

## Awards and Honors

### Teaching

Faculty member who "made a difference in the life of a student", Kent State Univ. (October 25, 2013).

College of Business Administration Tenured/Tenure Track Teaching Excellence Award recipient, College of Business - KSU. (April 13, 2013).

Ohio Magazine 2004 Excellent in Education Award, Ohio Magazine. (December 2004).

The 2004 NOCHE Award for Teaching Excellence, North East Ohio Council on Higher Education. (October 2004).

Distinguished Teaching Award, Kent State University - Alumni Assoc. (November 2003).

Graduate's Applause, 2001, Kent State University. (2001).

# RESEARCH

## Published Intellectual Contributions

### Refereed Journal Articles

Ngniatedema, T., Shanker, M., Hu, M., Guiffrida, A., Patuwo, E. (2015). Late Customization Strategy with Service Level Requirements. *International Journal of Production Economics, 166*, 72-84.

Co, H. C., Israel, D., Feng, P., Patuwo, E. (2012). A Continuous-Review Model for Dual Intercontinental and Domestic Outsourcing. *International Journal of production Research (IJPR), 50*(19), 5460-5473.

Lan, J.-S., Hu, M., Patuwo, E., Zhang, G. (2010). An Investigation of Neural Network Classifiers with Unequal Misclassification Costs and Group Sizes. *Decision Support Systems, 48*, 582-591.

Lan, J.-S., Berardi, V., Patuwo, E., Hu, M. (2009). A joint investigation of Misclassification Treatments and Imbalanced Datasets on Neural Network Performance. *Neural Computing & Applications, 18*(7), 689-706.

Berardi, V., Patuwo, E., Hu, M. (2004). A Principled Approach to Building and Evaluating Neural Network Classifiers for E-Commerce Applications. *Decision Support Systems, 38*(2), 233 - 246.

Williams, C. L., Patuwo, B. E. (2004). Analysis of the Effect of Various Unit Costs on the Optimal Incoming Quantity in a Perishable Inventory Model. *European Journal of Operations Research, 156*, 140-147.

Zhang, G., Patuwo, B. E., Chu, C. W. (2003). A Hybrid Inventory System with Time Limit on Back Order. *IIE (Institute of Industrial Engineers) Transactions, 35*(7), 9-Jan.

Chu, C.W., Patuwo, B. E., Mehrez, A., Rabinowitz, G. (2001). A Dynamic Two-segment Partial Backorder Control of (r, Q) Inventory System. *Computers & Operations Research, 28*, 935-953.

Zhang, G., Patuwo, B. E., Hu, M. Y. (2001). A Simulation Study of Artificial Neural Networks for Nonlinear Time Series Forecasting. *Computers & Operations Research, 28*, 381-396.

## Conference Proceedings

Liang, H., Guiffrida, A., Patuwo, E. (2015). *Recent Trends in Stochastic Cost Volume Profit Analysis* (pp. 9). MMBA International Conference Proceedings, Chicago.

Berardi, V., Patuwo, E. (2003). *Personalizing Quantitative Homework Assignments to Facilitate Student Learning.* Proceedings of the Third International Conference on Electronic Business (ICEB 2003).

Berardi, V., Patuwo, E., Kline, D. M. (2003). *Simulating Neural Network Classification Problems: A Bayesian Approach.* Proceedings of the Annual Meeting of the Decision Sciences Institute (DSI).

Berardi, V. L., Patuwo, B. E., Hu, M. Y. (2002). *A Detailed Procedure for Using Copulas to Classify E-Business DataTaipei, Taiwan,* Proceedings of The Second International Conference in Electronic Business (ICEB 2002).

Berardi, V., Patuwo, E., Hu, M. (2001). *A Principled Approach to Building and Evaluating Neural Network Models for e-Business Applications.* Proceedings of The Second International Conference in Electronic Business (ICEB 2002),

# Intellectual Contributions in Submission

## Refereed Journal Articles

Dechenaux, E., Tanai, Y., Guiffrida, A., Patuwo, E. Bargaining in a closed-loop supply chain with consumer returns. *International Journal of Production Research.*

## Journal Articles

Tao, V., Patuwo, E., Offodile, F. Lead time reduction in supply chain management. *European journal of operational research*.

## Presentations Given

Liang, H., Guiffrida, A., Patuwo, E., International Symposium on Supply Chain Management, "Environmental Consequences of Inventory Stockout Decisions," Canadian Purchasing Management Association, Niagara Falls, Ontario Canada. (June 14, 2016).

Patuwo, E., Berardi, V., The Third International Conference in Electronic Business (2003), "Personalizing Quantitative Homework Assignments To Facilitate Student Learning," ICEB (International Congress in Electronic Businbess, Singapore. (December 9, 2003).

Berardi, V., Patuwo, E., Hu, M., Annual Meeting of the Decision Science Institute, "Simulating Neural Network Classification Problems: A Bayesian Approach," Decision Science Institute, Washington, DC. (November 22, 2003).

Patuwo, E., Berardi, V., Hu, M., The Second International Conference in Electronic Business (2002), "A Detailed Procedure for Using Copulas to Classify E-Business," ICEB, Taipei, Taiwan. (December 2002).

## TEACHING

### Teaching Experience

**Kent State University**
BAD 74015, STOCHASTIC MODELS, 1 course.
BAD 84015, STOCHASTIC MODELS, 2 courses.
MIS 24056, FUND-BUSINESS STATISTICS, 9 courses.
MIS 34055, COMPUTER DECISION MODELING, 1 course.
MIS 34059, SERVICE OPERATIONS MANAGEMENT, 2 courses.
MIS 34060, OPERATIONS MANAGEMENT, 75 courses.
MIS 34065, QUALITY ASSURANCE, 1 course.
MIS 44062, SUPPLY CHAIN MANAGEMENT, 1 course.
MIS 44150, TOTAL QUALITY MANAGEMENT, 2 courses.
MIS 44152, COLLABORATIVE PROJECT MANAGEMT, 10 courses.
MIS 64005, STATISTICS FOR MANAGEMENT, 1 course.
MIS 64041, OPS SUPPLY CHAIN MANAGEMENT, 3 courses.
MIS 84015, STOCHASTIC MODELS, 1 course.

## SERVICE

### Editorial and Review Activities

Invited Manuscript Reviewer, "A (Q, R) INVENTORY MODEL WITH A DROP SHIPPING OPTION FOR E-BUSINESS," OMEGA: An International Journal for Management Science. (September 7, 2007 - Present).

Invited Manuscript Reviewer, "An evaluation of UK risky money: A comparison of two neural network approaches," European Journal of Operations Research. (August 19, 2007 - Present).

Invited Manuscript Reviewer, "Implementation of Total Productive Maintenance: A Case Study," International Journal of Production Economics. (July 29, 2004).

Invited Manuscript Reviewer, "An Experimental Analysis of Solution Performance in a Resource Sharing and Scheduling Problem," European Journal of Operations Research. (November 13, 2003).

## General Service

### College

Committee Member, CAC, Member. (2015 - 2016).

Committee Member, College Advisory Committee, Member. (January 2007 - May 2007).

### Department

Committee Member, Review and Approval Regional College Teaching Faculty, Member. (August 2000 - Present).

Committee Member, Faculty Advisory Committee, Member. (October 2006 - December 2007).

Committee Member, Search Committee Regional Campus, Member. (January 2005 - April 2005).

### University

Committee Member, Institutional Review Board, Member. (January 2013 - Present).

Committee Member, Promotion Advisory Board, Member. (September 2005 - May 2007).

Committee Member, Faculty Senate Ethics Committee, Member. (August 2003 - August 2005).

# OTHER

## Professional Memberships

DSI (Decision Sciences Institute).

INFORMS (Institute for Operations Research & Management Science.

## Development Activities Attended

Workshop, "Online Learning Symposium," Kent State University, Kent Ohio. (November 10, 2016).

Attended Conference, "POMS 26th Annual Conference," Production & Operations Management Society, Washington DC. (May 8, 2015 - May 11, 2015).

Attended Conference, "MBAA International Conference," MBAA International, Chicago IL. (March 25, 2015 - March 27, 2015).

Attended Conference, "Annual Meeting Decision Sciences Institute," DSI (Decision Sciences Institute), San Antonio. (November 18, 2006 - November 20, 2006).

Workshop, "Teaching Operations Management," Fisher College of Business, Ohio State Univ., Columbus, OH. (June 20, 2005 - June 22, 2005).

Workshop, "Teaching Manufacturing Strategy," Fisher College of Business, Ohio State Univ., Columbus, OH. (July 7, 2004 - July 9, 2004).

Research/Writing Presentation, "The third International Conference in ICEB," International Consortium for Electronic Business, Singapore. (December 9, 2003 - December 13, 2003).

Attended Conference, "The 34th Annual Meeting," Decision Science Institute, Boston, MA. (November 22, 2003 - November 25, 2003).

Research/Writing Presentation, "The first International Conference in ICEB," International Consortium for Electronic Business, Hong Kong, China. (December 19, 2001 - December 21, 2001).

# Greta L. Polites

Kent State University
Management and Information Systems
Business Administration Building A406
(330) 672-1166
Email: gpolites@kent.edu

## Education

Ph.D., University of Georgia, 2009.
   Major: Management Information Systems

MBA, University of South Florida, 2003.
   Major: MIS, Management, International Business, Statistical Analysis

MS, University of South Florida, 2003.
   Major: Management Information Systems

BS, University of South Florida, 2000.
   Major: Information Systems

## Licensures and Certifications

Oracle8i Certified Professional Exam 1Z0-001 - Introduction to Oracle: SQL and PL/SQL, Oracle. (January 2002 - Present).

## Academic, Military and Professional Positions

### Academic

Associate Professor, Kent State University. (August 22, 2016 - Present).

Assistant Professor, Kent State University. (August 19, 2012 - August 21, 2016).

Assistant Professor of Information Systems, Bucknell University. (July 2008 - May 2012).

Graduate Research Assistant, University of Georgia. (August 2004 - May 2008).

Business & Economic Statistics II Teaching Assistant, University of South Florida, ISDS Dept. (1999 - 2002).

Multimedia Research & Teaching Assistant, University of South Florida, ISDS Dept. (1999 - 2001).

### Professional

DBA / Business Intelligence Administrator, Catalina Marketing. (2002 - 2004).

Intern, Database Architecture Group, Catalina Marketing. (2002).

Paleontological Research Contractor, Florida Museum of Natural History, Division of Invertebrate Paleontology. (1996 - 2001).

Web Intern, Production Support DBA Homeroom, Verizon Data Services. (June 2001 - September 2001).

Administrative Clerk, Goldome Savings Bank. (1987 - 1989).

## Awards and Honors

### Research

2012 Paper of the Year, MIS Quarterly.

Best Paper Award, Midwest Association for Information Systems. (May 2013).

Best Student Paper Award, Southern Association for Information Systems. (February 2005).

### Service, Professional

Best Reviewer Award, DIGIT Pre-ICIS Workshop (SIGADIT). (December 2012).

Best Reviewer Award, Information Systems Research / INFORMS. (2012).

Best Reviewer Award, DIGIT Pre-ICIS Workshop (SIGADIT). (December 2007).

# RESEARCH

## Published Intellectual Contributions

### Book Chapters

Liu, F., Brandyberry, A. A., Hogue, M., Polites, G. L., Wang, T. (2015). *Adopter-Based Determinants of Effort in Mobile App Information Search*. Trends and Research in the Decision Sciences: Best Papers from the 2015 Annual Conference.

Watcon, R. T., Serrano, C. I., Polites, G. L. (2010). *Social Network Analysis and Information Systems Research*. History, Current Status and Future Development of MIS.

### Refereed Journal Articles

Darban, M., Polites, G. L. (2016). Do Emotions Matter in Technology Training? Exploring Their Effects on Individual Perceptions and Willingness to Learn. *Computers in Human Behavior, 62*.

Karahanna, E., Williams, C., Polites, G. L., Liu, B., Seligman, L., Scullen, S. E. (2013). Uncertainty Avoidance and Consumer Perceptions of Global e-Commerce Sites: A Multi-Level Model. *Drake Management Review, 3*(1), 12-47.

Polites, G. L., Karahanna, E. (2013). The Embeddedness of Information Systems Habits in Organizational Routines: Development and Disruption. *MIS Quarterly, 37*(1), 221-246.

Polites, G. L., Karahanna, E. (2012). Shackled to the Status Quo: The Inhibiting Effects of Incumbent System Habit, Switching Costs, and Inertia on New System Acceptance. *MIS Quarterly, 36*(1), 21-42.

Polites, G. L., Williams, C., Karahanna, E., Seligman, L. (2012). A Theoretical Framework for Consumer e-Satisfaction and Site Stickiness: An Evaluation in the Context of Online Hotel Reservations. *Journal of Organizational Computing and Electronic Commerce, 22*, 1-37.

Polites, G. L., Roberts, N. H., Thatcher, J. B. (2012). Conceptualizing Models Using Multidimensional Constructs: A Review and Guidelines for Their Use. *European Journal of IS, 21*(1), 22-48.

Hendricks, J. R., Portell, R. W., Polites, G. L. (2009). An Aberrant Sinistral Conus (Neogastropoda: Conidae) from the Miocene of Florida, USA. *The Nautilus, 123*(4), 317-318.

Polites, G. L., Watson, R. T. (2009). Using Social Network Analysis to Analyze Relationships Among IS Journals. *Journal of the AIS, 10*(8), 595-636.

Polites, G. L., Watson, R. T. (2008). The Centrality and Prestige of CACM: A Social Network Analysis of IS Journals. *Communications of the ACM, 50th Anniversary Special Issue* (1), 95-100.

## Conference Proceedings

Liu, F., Brandyberry, A. A., Polites, G. L., Hogue, M., Wang, T. (2016). *A Study of the Effects of Social Factors and Innovation Characteristics on Search Effort and Uncertainty in Mobile App Adoption*. Proceedings of the 2016 Hawaii International Conference on System Sciences.

Liu, F., Brandyberry, A. A., Hogue, M., Polites, G. L., Wang, T. (2015). *The Effects of Decision-Maker Characteristics on Search Effort in Mobile Application Adoption*. Proceedings of the Decision Sciences Institute 2015 Conference.

Polites, G. L. (2015). *"The Interplay of Gender, Habit, and Individual Differences in Predicting Trying Intentions"* . Proceedings of the 21st Americas Conference on Information Systems.

Kwak, D.-H., Polites, G. L., Darbanhosseiniamirkhiz, M., Deng, S. (2015). *The Moderating Role of Espoused National Cultural Values on Perceptions of Privacy Assurance Mechanisms*. Proceedings of the 21st Americas Conference on Information Systems.

Karahanna, E., Williams, C., Polites, G. L., Liu, B., Seligman, L. (2013). *"The Influence of Uncertainty Avoidance on Consumer Perceptions of Global E-Commerce Sites"*. Proceedings of the Eighth Midwest Association for Information Systems Conference.

Polites, G. L., Karahanna, E., Seligman, L. (2013). *"Understanding Conversion Decisions on B2C Websites"* . Proceedings of the Midwest Decision Sciences Institute Annual Conference.

Karahanna, E., Polites, G. L., Seligman, L., Williams, C. (2009). *"Consumer e-Satisfaction and Site Stickiness: An Empirical Investigation in the Context of Online Hotel Reservations"*. Proceedings of the 42nd Hawaii International Conference on System Sciences.

Polites, G. L. (2006). *"From Real-Time BI to the Real-Time Enterprise: Organizational Enablers of Latency Reduction"* . Proceedings of the Twenty-Seventh International Conference on Information Systems.

Polites, G. L. (2005). *"Counterintentional Habit as an Inhibitor of Technology Acceptance"*. Proceedings of the Eighth Annual Conference of the Southern Association for Information Systems.

## Journal Articles

Portell, R. W., Polites, G. L., Schmelz, G. W. (2006). MOLLUSCA: Shoal River Formation (Middle Miocene). *Florida Fossil Invertebrates, 9*.

**Other**

Polites, G. L. (2009). *"The Collecting Continuum: Incorporating Amateur Scientists and Scholarly Collecting Behaviors"* (vol. 36). Duluth, MN: Advances in Consumer Research.

# Presentations Given

Polites, G. L. (Presenter & Author), Murray, D. E. (Author Only), Geological Society of America Southeastern Section Meeting, """Encouraging Professional-Amateur Collaboration: Lessons from the Literature on Collecting Motives"," Geological Society of America (GSA), Columbia, South Carolina. (March 31, 2016).

Liu, F., Brandyberry, A. A., Polites, G. L., Hogue, M., Wang, T., 2016 Hawaii International Conference on System Sciences, "A Study of the Effects of Social Factors and Innovation Characteristics on Search Effort and Uncertainty in Mobile App Adoption," Kauai, Hawaii. (January 2016).

Liu, F., Brandyberry, A. A., Hogue, M., Polites, G. L., Wang, T., 2015 DSI Annual Meeting, "Adopter-Based Determinants of Effort in Mobile App Information Search," Decision Science Institute, Seattle. (November 2015).

Polites, G. L. (Presenter & Author), Americas Conference on Information Systems (AMCIS), ""The Interplay of Gender, Habit, and Individual Differences in Predicting Trying Intentions"," Association for Information Systems (AIS), Puerto Rico. (August 13, 2015).

Kwak, D.-H. (Presenter & Author), Polites, G. L. (Author Only), Darbanhosseiniamirkhiz, M. (Author Only), Deng, S. (Author Only), Americas Conference on Information Systems (AMCIS), ""The Moderating Role of Espoused National Cultural Values on Perceptions of Privacy Assurance Mechanisms"," Association for Information Systems (AIS), Puerto Rico. (August 13, 2015).

Karahanna, E. (Author Only), Williams, C. K. (Author Only), Polites, G. L. (Presenter & Author), Liu, B. (Author Only), Seligman, L. (Author Only), Midwest AIS Conference, "The Influence of Uncertainty Avoidance on Consumer Perceptions of Global E-Commerce Sites," Midwest Association for Information Systems, Normal, IL. (May 25, 2013).

Polites, G. L. (Presenter & Author), Karahanna, E. (Author Only), Seligman, L. (Author Only), Midwest DSI Conference, "Understanding Conversion Decisions on B2C Websites," Midwest Decision Sciences Institute, Twinsburg, OH. (April 19, 2013).

Karahanna, E. (Presenter & Author), Claggett, J. (Author Only), Serrano, C. (Author Only), Polites, G. L. (Author Only), Georgia Partnership for TeleHealth Conference, "Habits and Organizational Routines: Preliminary Evidence of Habit Disruption in Telehealth Implementations," Georgia Partnership for TeleHealth, Greensoro, GA. (March 17, 2011).

Karahanna, E. (Author Only), Polites, G. L. (Presenter & Author), Seligman, L. (Author Only), Williams, C. K. (Author Only), 42nd Hawaii International Conference on System Sciences, "Consumer e-Satisfaction and Site Stickiness:  An Empirical Investigation in the Context of Online Hotel Reservations," IEEE, Waikoloa, Big Island, Hawaii. (January 2009).

Polites, G. L., ACR Annual North American Conference, "The Collecting Continuum: Incorporating Amateur Scientists and Scholarly Collecting Behaviors," Association for Consumer Research, San Francisco, CA. (October 2008).

Polites, G. L. (Presenter & Author), ICIS Doctoral Consortium, "The Dual Role of Habit in Technology Acceptance: A Habitual Inertia Perspective," Association for Information Systems, Montreal, Quebec, Canada. (December 2007).

Polites, G. L. (Presenter & Author), ICIS Conference, "From Real-Time BI to the Real-Time Enterprise: Organizational Enablers of Latency Reduction," Association for Information Systems, Milwaukee, WI. (December 2006).

Polites, G. L. (Presenter & Author), Academy of Management Conference (OCIS Division), "Counterintentional Habit as an Inhibitor of Technology Acceptance," Academy of Management, Honolulu, Hawaii. (August 2005).

Polites, G. L. (Presenter & Author), Southern AIS Conference, "Counterintentional Habit as an Inhibitor of Technology Acceptance," Southern Association for Information Systems, Savannah, GA. (February 2005).

# TEACHING

## Teaching Experience

**Kent State University**
MIS 34068, SYSTEMS ANALYSIS AND DESIGN, 12 courses.
MIS 44043, DATABASE MANAGEMENT SYSTEMS, 1 course.
MIS 74017, MULTIVARIATE STATISTICS, 4 courses.
MIS 84266, DIRECTED RESEARCH, 3 courses.

# SERVICE

## Editorial and Review Activities

Associate Editor, "Information & Management." (2014 - Present).

Ad Hoc Reviewer, "Data Base for Advances in Information Systems." (2009 - Present).

Ad Hoc Reviewer, "MIS Quarterly." (2005 - Present).

Associate Editor, "ICIS Conference / Human Behavior and IS Track." (2017).

Ad Hoc Reviewer, "Management Science." (2011 - 2015).

Ad Hoc Reviewer, "Information Systems Research." (2009 - 2015).

"AMCIS Conference - The Dark Side of Post-Adoptive Use Mini-Track Co-Chair." (2014).

Associate Editor, "ICIS Conference / Human Behavior and IS Track." (2014).

Associate Editor, "ICIS Conference / General IS Topics Track." (2013).

Associate Editor, "ICIS Conference / Global and Cultural Issues in IS Track." (2012).

Ad Hoc Reviewer, "Behavior & Information Technology." (2008).

Ad Hoc Reviewer, "Journal of Organizational Computing and Electronic Commerce." (2008).

Ad Hoc Reviewer, "Journal of the AIS." (2006 - 2007).

Ad Hoc Reviewer, "Electronic Commerce Research & Applications." (2006).

## General Service

### College

Committee Member, Undergraduate Curriculum Committee, Member. (2012 - 2015).

Attendee, Graduation, Faculty Representative at Commencement. (May 2013).

Committee Member, Curriculum Committee, School of Management, Bucknell University, Member. (2009 - 2012).

Committee Member, Assessment Committee, School of Management, Bucknell University, Member. (2010 - 2011).

Committee Member, Visiting Strategy Faculty Search Committee, School of Management, Bucknell University, Member. (2009 - 2010).

Committee Member, Business Analytics Faculty Search Committee, School of Management, Bucknell University, Member. (2009).

Committee Member, Marketing, Innovation, & Design Faculty Search Committee, Member. (2009).

Committee Member, Library Faculty Representative for the School of Management, Bucknell University, Member. (2008 - 2009).

### Department

Committee Member, PhD Program Committee, Member. (2015 - Present).

Committee Member, Faculty Advisory Committee, M&IS Dept. Member. (2014 - Present).

Committee Member, RTP Policy Committee, Member. (2016 - 2017).

Committee Member, Student Advisory Complaint Committee, Member. (2015 - 2016).

Committee Member, NTT Faculty Search Committee (multiple positions), Member. (2014 - 2016).

Committee Member, Business Analytics Faculty Search Committee, Member. (2015).

Committee Member, Department Chair Review Committee, Member. (2014).

Committee Member, Fengkun Liu - Dissertation Committee, Member. (2013 - 2014).

### Professional

Conference Reviewer, International Conference on Information Systems (ICIS). (2005 - Present).

Conference Session Chair, ICIS Conference / Global and Cultural Issues in IS Track. (December 2012).

Conference Reviewer, SIG MIS Computers and People Research (CPR) Doctoral Consortium. (2012).

Conference Reviewer, DIGIT Pre-ICIS Workshop. (2007 - 2012).

Conference Reviewer, Association for Consumer Research North American Conference. (2008).

Conference Reviewer, Academy of Management conference (OCIS and TIM divisions). (2005 - 2006).

Conference Reviewer, Americas Conference on Information Systems (SIGADIT). (2005 - 2006).

Conference Reviewer, Southern Association for Information Systems (SAIS) conference. (2005).

## Student Organization

Student Org Advisor (Professional Org), MISA Faculty Advisor. (2012 - 2015).

## University

Interaction with Industry, USENIX Association Campus Representative. (2013 - 2015).

Committee Member, University Research Council Screening Committee, Member. (2014).

# OTHER

## Professional Memberships

Association for Computing Machinery. (2002 - Present).

Association for Information Systems. (2002 - Present).

Institute of Electrical and Electronics Engineers. (2005 - 2012).

Association for Consumer Research. (2008 - 2010).

American Statistical Association. (2003 - 2009).

The Data Warehousing Institute. (2006 - 2007).

Academy of Management. (2005 - 2006).

## Development Activities Attended

Attended Conference, "Geological Society of America Southeastern Section Meeting (SEGSA)," Columbia, South Carolina. (March 31, 2016 - April 1, 2016).

Attended Conference, "American Conference on Information Systems (AMCIS)," Association for Information Systems (AIS), Puerto Rico. (August 13, 2015 - August 15, 2015).

Workshop, "SAP Analytics," University of Wisconsin Milwaukee, Milwaukee, WI. (July 9, 2013 - July 12, 2013).

Attended Conference, "Midwest AIS Conference," Midwest Association for Information Systems, Normal, IL. (May 24, 2013 - May 25, 2013).

Attended Conference, "Midwest DSI Conference," Midwest Decision Sciences Institute, Twinsburg, OH. (April 19, 2013).

Attended Conference, "ICIS Conference," Association for Information Systems, Orlando, FL. (December 16, 2012 - December 19, 2012).

Attended Conference, "AMCIS Conference," Association for Information Systems, Detroit, MI. (August 4, 2011 - August 7, 2011).

Attended Conference, "ICIS Conference," Association for Information Systems, St Louis, MO. (December 12, 2010 - December 15, 2010).

Attended Conference, "ICIS Conference," Association for Information Systems, Phoenix, Arizona. (December 16, 2009 - December 18, 2009).

Conference Program, "ICIS Junior Faculty Consortium," Association for Information Systems, Phoenix, Arizona. (December 15, 2009).

Attended Conference, "Hawaii Int'l Conference on System Sciences," Waikoloa, Big Island, Hawaii. (January 5, 2009 - January 8, 2009).

Attended Conference, "ACR Annual North American Conference," Association for Consumer Research, San Francisco, CA. (October 23, 2008 - October 26, 2008).

Conference Program, "ICIS Doctoral Consortium," Association for Information Systems (AIS), Montréal, Québec, Canada. (December 6, 2007 - December 9, 2007).

Attended Conference, "International Conference on Information Systems (ICIS)," Association for Information Systems (AIS), Milwaukee, Wisconsin. (December 10, 2006 - December 13, 2006).

Attended Conference, "Academy of Management conference (OCIS division)," Academy of Management, Honolulu, Hawaii. (August 5, 2005 - August 10, 2005).

Attended Conference, "Southern Association for Information Systems (SAIS)," Savannah, Georgia. (February 25, 2005 - February 26, 2005).

# Murali Shanker
Kent State University
Management and Information Systems
Business Administration Building A401
(330) 672-1165
Email: mshanker@kent.edu

## Education

Ph.D., University of Minnesota, 1990.
Major: Operations and Management Science

MS, University of Madras, 1981.
Major: Operations Research

BS, University of Madras, 1979.
Major: Mathematics

## Academic, Military and Professional Positions

### Academic

Professor, Kent State University. (2008 - Present).

Associate Professor, Kent State University. (1997 - 2008).

Assistant Professor, Kent State University. (1990 - 1997).

Visiting Assistant Professor, University of Minnesota. (1989 - 1990).

Instructor and Teaching Assistant, University of Minnesota. (1984 - 1989).

### Professional

System Analyst, Management Information Services, Sarabhai Enterprises. (1982 - 1984).

Research Associate, State Transport Corporation, Madras, India. (1980).

## Awards and Honors

### Research

Distinguished Paper Award, Decision Science Institute. (November 2008).

Mentorship Excellence Award, RAGS. (March 2006).

Distinguished Paper Award, Decision Science Institute. (October 2004).

### Teaching

Beta Gamma Sigma Professor of the Year, Beta Gamma Sigma. (2011).

College of Business Teaching Award, College of Business, Kent State University. (April 2008).

Nominated for College of Business Administration Award, College of Business Administration. (2007).

Distinguished Teaching Award, Alumni Association. (November 3, 2006).

# RESEARCH

## Published Intellectual Contributions

### Book Chapters

Shanker, M., Hu, M. (2007). *Improving Teaching Effectiveness Using Distance-Education Tools,* Idea Group.

Troutt, M. D., Gribbin, D., Shanker, M., Zhang, A. (2003). *Maximum Performance Efficiency Approaches for Estimating Best Practice Costs* (pp. 239-250). Data Mining: Opportunities and Challenges.

Hu, M. Y., Shanker, M., Hung, M. (2003). *Predicting Consumer Situational Choice with Neural Networks* (pp. 172-194). 'Neural Networks in Business Forecasting.

Troutt, M. D., Hu, M., Shanker, M., William, A. (2002). *Frontier Versus Ordinary Regression Models for Data Mining* (pp. 21-31). Managing Data Mining Technologies in Organizations: Techniques and Applications.

### Refereed Journal Articles

Gopalakrishna Remani, V., Brown, J. (., Shanker, M., Hu, M. (2017). An Information Supply Chain System View for Managing Rare Infectious Diseases: The Need to Improve Timeliness. *To appear in Information & Management.*

Shanker, M., Astakhova, M., DuBois, C. (2015). Sexual Harassment: A Complex Adaptive System Viewpoint. *Gender, Technology, and Development, 19*(3), 239-270.

Ngniatedema, T., Shanker, M., Hu, M., Guiffrida, A., Patuwo, E. (2015). Late Customization Strategy with Service Level Requirements. *International Journal of Production Economics, 166*, 72-84.

Nwankpa, J., Brandyberry, A. A., Guiffrida, A., Hu, M., Shanker, M. (2013). Understanding the Link Between Initial ERP Systems and ERP-Enabled Adoption. *Information Resources Management Journal, 26*(4), 18-39.

Wang, J., Hu, M., Shanker, M. (2012). Human agency, social networks, and FOSS project success. *Journal of Business Research, 65*(7), 977-984.

Agnihotri, R., Shanker, M., Kothandaraman, P. (2012). Theorization of the Open Source Software Phenomenon: A Complex Adaptive System Approach. *Journal of Management and Marketing Research, 10*, 1-10.

Gwebu, K., Hu, M., Shanker, M. (2011). An Experimental Investigation into the Effects of Information Revelation in Multi-Attribute Reverse Auction. *31*(6), 631-644.

Schramm, M., Trainor, K. J., Shanker, M., Hu, M. (2010). An Agent-Based Diffusion Model with Consumer and Brand Agents. *Decision Support Systems, 50*, 234-242.

Wang, J., Gwebu, K., Shanker, M., Troutt, M. (2009). An Application of Agent-Based Simulation to Knowledge Sharing. *Decision Support Systems, 46*, 532-541.

Hu, M., Shanker, M., Zhang, G. P., Hung, M. (2008). Modeling Consumer Situational Choice of Long Distance Communication with Neural Networks. *Decision Support Systems*, 640-647.

Shanker, M., Hu, M. (2006). A Framework for Distance-Education Effectiveness: An Illustration with Business Statistics. *International Journal of Web-based Learning and Teaching Technologies, 1*(2).

Troutt, M. D., Hu, M. Y., Shanker, M. (2005). A Distribution Free Approach to Estimating Best Response Values with Application to Mutual Fund Performance Modeling. *European Journal of Operational Research, 166*(2), 520-527.

Hung, M., Shanker, M., Hu, M. (2002). Estimating Breast Cancer Risk Using Neural Networks. *Journal of the Operational Research Society, 52*, 222-231.

Shanker, M., Padman, R., Kelton, W. D. (2001). Efficient Distributed Simulation through Load Balancing. *IIE Transactions (special issue in Simulation honoring A. Alan B. Pritsker), 33*(3), 203-217.

Troutt, M., Gribbin, D., Shanker, M., Zhang, A. (2000). Cost Efficiency Benchmarking for Operational Units with Multiple Cost Drivers. *Decision Sciences, 31*(4), 813-832.

Hu, M. Y., Hung, M., Shanker, M. (2000). Estimating Posterior Probabilities of Consumer Situational Choices with Neural Networks. *International Journal of Research in Marketing, 16*(4), 307-317.

Shanker, M., Hu, M., Hung, M. (2000). Estimating Probabilities of Diabetes Mellitus Using Neural Networks. *SAR QSAR Environmental Research, 11*(2), 133-147.

**Conference Proceedings**

Roumani, Y., Shanker, M., Datta, P., Nwankpa, J. *ADOPTERS'TRUST IN ENTERPRISE OPEN SOURCE SOFTWARE* (pp. 136).

Roumani, Y., Shanker, M., Datta, P., Nwankpa, J. (2012). *ADOPTERS'TRUST IN ENTERPRISE OPEN SOURCE SOFTWARE*. Midwest DSI.

Bushuev, M., Guiffrida, A., Shanker, M. (2011). *A Generalized Model for Evaluating Supply Chain Delivery Performance* (pp. 4-8). Marketing Management Association 2011 Proceedings, 47th Annual MBAA Internation Conference, Chicago.

Wang, J., Hu, M., Shanker, M. (2009). *The Survival and Success of Open Source Software Projects*. Decision Science Institute.

Bhattacharyya, K., Shanker, M., Datta, P., A. M. *The Marginal Utility of Medical Resources in Clinics with* . San Francisco, CA: Americas Conference on Information Systems.

Datta, P., Troutt, M., Booth, D., Shanker, M. (2008). *A service-design of it infrastructure* (pp. 3481–3486).

Datta, P., Troutt, M., Booth, D., Shanker, M. (2008). *A Service-Design of IT Infrastructure (Distinguished Paper Award)*. Decision Sciences Institute.

Gwebu, K., Wang, J., Shanker, M. (2005). *A Simulation Study of Online Auctions: Analysis of Bidders' and Bid-takers' Strategies*. Decision Science Institute.

Hu, M. Y., Shanker, M., Zhang, G. P. (2004). *Modeling Consumer Situational Choice of Long Distance Communication with Neural Networks*. Decision Science Institute.

### Journal Articles

Bhattacharyya, K., Datta, P., Shanker, M., Maitra, A. (2009). The marginal utility of medical resources in clinics with deterministic patient arrivals: A simulation study. *AMCIS 2009 Proceedings*, 497.

## Intellectual Contributions in Submission

### Refereed Journal Articles

AKPAN, I. J., Shanker, M. A Comparative Evaluation of the Effectiveness of Virtual Reality, Three-dimensional Display and Visual Interactive Discrete Event Simulation based on Cognitive Fit Theory: A Literature Survey. *Decision Support Systems*.

AKPAN, I. J., Shanker, M. Improving the success of simulation projects using 3D visualization and virtual reality. *Journal of Operational Research Society*.

Roumani, Y., Datta, P., Shanker, M., Nwankpa, J. Adopters' Trust in Enterprise Open Source Software. *Expert Systems with Applications*.

Gwebu, K., Hu, M., Shanker, M. An Approach to Teaching eProcurement Auctions. *Decision Science Journal of Innovative Education*.

Hu, M., Shanker, M., Hung, M. Neural networks for Consumer Choice. *Marketing Science*.

## Contracts, Grants and Sponsored Research

### Other

AKPAN, I. J. (Co-Principal), Shanker, M. (Co-Principal), "Research Grant: Summer Research Funding," Sponsored by College of Business Administration, Kent State University, Kent State University, $4,250.00. (May 2014 - Present).

Shanker, M. (Co-Principal), Dechenaux, E. (Co-Principal), "Dean's Summer $30,000 research grant for Behavioral Research Lab," Kent State University, $30,000.00. (September 2013).

Shanker, M., "An investigation of Open Source Software Success with Implications for Developers and Users," Sponsored by RAGS, Kent State University, $10,000.00. (May 2006 - August 2006).

Shanker, M., "Engaging and Involving the Student Learner through Intensive Interaction: An IT-Driver Approach," Sponsored by Partnerships in Transforming Teaching and Learning with Technology, Kent State University, Kent State University, $82,327.00. (2004 - 2005).

Shanker, M. (Principal), "An Interactive Distributed Course in Statistics," Sponsored by Teaching Council, Kent State University, $10,000.00. (May 2004 - August 2004).

Shanker, M. (Principal), "An Interactive Web-Based Course for Fundamentals of Business Statistics," Sponsored by Provost, Kent State University, $10,000.00. (May 2004 - August 2004).

Shanker, M., "Self-Organizing Searchers: A Bottom-Up Approach to Online Searches," Sponsored by RAGS, Kent State University, $10,000.00. (May 2002 - August 2002).

## Presentations Given

Astakhova, M., Shanker, M., SIOP, "Person Environment Fit: A Duet Between Solid Theory and Rigorous Methodology." (May 2013).

Shanker, M., Bushuev, M., Guiffrida, A., MBAA International Conference, "A generalized model for evaluating supply chain delivery performance," Chicago. (March 2011).

Astakhova, M., DuBois, C., Shanker, M., SIOP, "Sexual Harassment: Some New Perspectives on an Old Problem." (2010).

Remani, V. (Presenter & Author), Bhattacharyya, K., Hongli, H., Datta, P., Shanker, M., Mid-West DSI Conference, "From Data to Information: Simulation Study of an Agent-Mediated Knowledge-in-Motion (KiM) Model," Decision Science Institute, Toledo, OH. (April 22, 2010).

Astakhova, M. (Presenter & Author), Shanker, M., Society for Industrial and Organizational Psychology, "Applying Agent-Based Simulation to an Integrated Model of Sexual Harassment:" American Psychology Association, Atlanta. (April 9, 2010).

Bhattacharyya, K. (Presenter & Author), Datta, P., Shanker, M., Maitra, A., Americas Conference on Information Systems, "The Marginal Utility of Medical Resources in Clinics with Deterministic Patient Arrivals: A Simulation Study." (2009).

Wang, J. (Presenter & Author), Hu, M., Shanker, M., Decision Science Institute, "The Survival and Success of Open Source Software Projects," DSI. (November 2009).

Brandyberry, A. A., Shanker, M., Troutt, M., 2009 CORS/INFORMS, "On the Usage of PLS Versus SEM in Technology Adoption Research: A Comparative Simulation," Toronto. (June 14, 2009).

Datta, P. (Presenter & Author), Troutt, M., Booth, D., Shanker, M., Decision Science Institute, "A Service-Design of IT Infrastructure," Decision Science Institute. (November 2008).

Ngniatedema, T., Hu, M., Shanker, M., DSI, "Information Systems Architecture to Support Manufacturing Customization," Decision Science Institute, Baltimore, MD. (November 2008).

Shanker, M., KASADA, "Using Social Networking and Open Source to Improve Student Retention," Kent State University, Stark, OH. (May 2008).

Shanker, M., RETAIN, "Best Practices for Student Success," Kent State University, Kent, OH. (March 2008).

Shanker, M., DSI, "Does Information Matter? An Investigation of the Effects of Information Disclosure Policies on Reverse Multi-Attribute Auction Performance," DSI, New Mexico. (October 2007).

Shanker, M., DSI, "The Impact of Social Network Size on the Success of Open Source Software Projects," DSI, New Mexico. (October 2007).

Shanker, M., Hu, M., Gwebu, K., INFORMS, "The Effects of Feedback on Multi-Attribute Auction Performance," INFORMS, Puerto Rico. (July 2007).

Shanker, M., Wang, J., Hu, M., INFORMS, "The Role of Social Networks in the Success of Open Source Software Systems," INFORMS, Puerto Rico. (July 2007).

Shanker, M., iTunes, "iTunes University," Kent State University, Kent State University. (July 2007).

Shanker, M., Brown Bag, "Screech - Rubber Meets the Road," Kent State University, Kent State University. (November 2006).

Shanker, M., Wang, J., Hu, M., Troutt, M., INFORMS, "Antecedents of Open Source Software Success," INFORMS, Pittsburgh. (November 8, 2006).

Shanker, M., Gwebu, K., Wang, J., Decision Sciences, "A Simulation Study of Online Auctions: Analysis of Bidders' and Bid-takers' Strategies," Decision Science Institute, San Francisco. (October 2005).

Shanker, M., Hu, M., Zhang, G. P., Decision Sciences, "Modeling Consumer Situational Choice of Long Distance Communication with Neural Networks," Decision Science Institute, Boston. (October 2004).

## Research Currently in Progress

"The effect of Meditation on Ethical Decision Making," Murali Shanker

## TEACHING

## Teaching Experience

**Kent State University**
BAD 60095, ST: OPEN SOURCE, 2 courses.
BAD 64011, SYSTEMS SIMULATION, 3 courses.
BAD 74011, SYSTEMS SIMULATION, 6 courses.
BAD 80299, DISSERTATION II, 1 course.
BAD 84011, SYSTEMS SIMULATION, 1 course.
BUSN 84023, LINEAR STATISTICAL MODELS, 1 course.
MIS 24056, FUND-BUSINESS STATISTICS, 82 courses.
MIS 24060, SYSTEMS ANALYSIS I, 8 courses.
MIS 34070, PRINC OF SYSTEMS DEVELOPMENT, 1 course.
MIS 34162, HEALTHCARE SYSTEMS OPERATIONS, 1 course.
MIS 64005, ANALYTICS FOR DECISION MAKING, 4 courses.
MIS 64018, QUANT MANAGEMENT MODELING, 1 course.
MIS 64037, ADV DATA MINING AND ANALYTICS, 1 course.
MIS 64080, EMERGING HW AND SW TECH, 1 course.
MIS 84011, SYSTEMS SIMULATION, 1 course.
MIS 84023, LINEAR STATISTICAL MODELS, 4 courses.
MIS 84291, SEMINAR IN MANAGEMENT SYSTEMS, 1 course.

## Directed Student Learning

Dissertation Committee Member, "Distributed MCU Placement in Crowd-Scale P2P Telepresence System." (December 2016 - Present).
Advised: Amjad Hossain

Dissertation Graduate Faculty Representative, Finance. (July 2014).
Advised: Tzveta Vateva

Dissertation Committee Co-chair, Marketing. (March 2014).
Advised: Rebecca Dingus

Dissertation Committee Member, Marketing. (2013).
Advised: Kun Chen

Dissertation Graduate Faculty Representative. (June 2013).
Advised: N. Scott Robinson

Dissertation Committee Member, Management and Information Systems. (May 2013).
Advised: Maxim Bushuev

Dissertation Committee Co-chair, Management and Information Systems. (2012).
Advised: Venugopal Remani,

Dissertation Committee Member, Marketing. (2012).
Advised: Hyunjung Lee

Dissertation Committee Member, "The Implications of Real Options on ERP-Enabled Adoption,"
Management and Information Systems. (2012).
Advised: Joseph Nwankpa

Dissertation Committee Member, "Predicting Vulnerability Risks Based on Software,"
Management and Information Systems. (2012).
Advised: Roumani Yaman

Dissertation Committee Member. (October 2012).
Advised: Omar Tahboub

Dissertation Committee Co-chair, "Minimizing Costs using Assembly Postponement in Mass
Customization Scenarios," Management and Information Systems. (2011).
Advised: Thomas Ngniatedema

Dissertation Committee Member, "Modeling a Value Sourcing Framework for Supply Chains,"
Management and Information Systems. (2011).
Advised: Kuntal Bhattacharyya

Dissertation Defense Moderator, "Crop Condition and Yield Prediction at the Field Scale with
Geospatial and Artificial Neural Network Applications." (2011).
Advised: David Hollinger

Dissertation Committee Member, "The Explicit Versus Implicit Learning: Using Implicit Learning to
Explain Brand Placement Effects," Marketing. (2009).
Advised: Claudia Costiuc

Dissertation Committee Member, "Examining the Integration of Technical Knowledge Following
Mergers and Acquisitions," Marketing. (2009).
Advised: Kevin Trainor

Dissertation Committee Member, "Capabilities of Adaptive Multi-Agent Simulation Architecture for
Supply Chain Management." (July 2008).
Advised: David Zhu

Dissertation Committee Member, "Brand Alliance Model and Global Brand Alliance," Marketing. (June 2008).
Advised: Wei (Andy) Hao

Dissertation Graduate Faculty Representative, "Understanding Brand Managers' Intangible Capital and Capability." (June 2008).
Advised: Annie Cui

Dissertation Committee Member, "A Simulation Study of Flexible Manufacturing Systems," Management and Information Systems. (May 2008).
Advised: Terry Moran

Dissertation Committee Member, "Brand Extensions: Affect Transfer, Network Effects, and Sub-Branding," Marketing. (August 2007).
Advised: Xin Liu

Dissertation Graduate Faculty Representative, "Attribution, Expectation, and Recovery: An Integrated Model of Service Failure and Recovery," Marketing. (August 2007).
Advised: Jun Ma

Dissertation Committee Co-chair, "The Role of Social Networks in the Success of Open-Source Software Systems: A Theoretical Framework and an Empirical Investigation." (May 2007).
Advised: Jing Wang

Dissertation Committee Chair, "Towards an Understanding of the Role of Information Architecture on the Performance of First-Score Reverse Multi-Attribute Auctions." (May 2006).
Advised: Kholekile Gwebu

# SERVICE

## Editorial and Review Activities

Editorial Board Member, "JITE: innovations in Practice." (2004 - Present).

Editorial Board Member, "JITE: Research," Informing Science Institute. (2004 - Present).

Editorial Board Member, "Informing Science Journal," Informing Science Institute. (2004 - 2013).

Editorial Board Member, "International Journal of Web-based Learning and Teaching Technologies," Idea Group. (2004 - 2013).

"Decision Support Systems." (2010).

"IJWLTT." (2010).

"Information Technology and Management." (2010).

Ad Hoc Reviewer, "Exhaustive and Heuristic Search Approaches," Decision Support Systems. (September 2007 - November 2007).

"Tenure and promotion file for Somnath Mukhopadhyay." (August 2007).

Editorial Board Member, "Informing Science and Information Technology Education Joint Conference," Informing Science Institute. (2004 - 2005).

Invited Manuscript Reviewer, "DSI," Decision Science Institute. (2003 - 2005).

Invited Manuscript Reviewer, "Computers and OR." (2004).

Invited Manuscript Reviewer, "IRMA," Information Resources Management Association. (2002 - 2004).

Invited Manuscript Reviewer, "Operations Research," INFORMS. (2002).

Invited Manuscript Reviewer, "Decision Sciences," Decision Science Institute. (2000 - 2002).

## General Service

### College

Committee Member, Graduate Faculty Committee. (August 2016 - Present).

Committee Member, PhD Subcommittee. (August 2016 - Present).

Committee Member, Promotion to Full Committee - Economics. (September 2016 - December 2016).

Committee Member, PhD Subcommittee - Strategic Task Force. (January 2009 - 2013).

Ph.D. Director, College of Business. (July 2010 - June 2013).

Committee Member, PhD Subcommittee. (May 2007 - 2012).

Committee Member, Student Retention. (May 2007 - 2012).

Committee Member, Promotion committee for Mark Altieri, Department of Accounting. (August 2011 - December 2011).

Committee Member, PhD program development. (2009 - 2011).

Committee Member, Graduate Faculty Committee. (August 2009 - August 2011).

Committee Member, Graduate Council. (May 2007 - May 2009).

Committee Chair, Graduate Faculty Status Ad-Hoc Committee. (January 2008 - December 2008).

Committee Member, RETAIN, Kent State University. (2008).

Mace Bearer, Commencement Ceremonies. (May 2007).

Committee Member, College Advisory Committee. (August 2004 - August 2005).

Committee Member, Graduate Faculty Committee. (August 2003 - August 2005).

### Department

Committee Member, Faculty Advisory Committee. (August 2016 - Present).

Ph.D. Coordinator, PhD. (2016 - Present).

Committee Chair, Resource Coordinator. (1998 - Present).

Committee Chair, TT and NTT Faculty Search Committee. (August 2014 - April 2017).

PhD Program Development subcommittee. (August 2011 - 2016).

Committee Chair, PhD Program Revision. (January 2007 - 2016).

Committee Chair, TT and NTT Faculty Search Committee. (2011 - 2013).

Committee Member, BETA. (2004 - 2013).

Ph.D. Coordinator. (May 2007 - 2012).

Ph.D. Coordinator, PhD coordinator; Management and Information Systems Department. (June 2007 - August 2011).

Committee Chair, Grievance Committee, Student Grade Appeal. (April 2011).

Committee Chair, Search committee. (2009 - 2010).

Committee Member, Department Website & Intranet Server Committee. (2005).

Committee Member, Teaching Assessment. (2004 - 2005).

Intranet-server developer, Webserver http://mis.kent.edu. (May 2005 - August 2005).

Committee Member, Faculty Advisory Committee. (August 1996 - May 2005).

Committee Member, Undergraduate Programs Committee. (1999 - 2004).

Committee Member. (August 2000 - December 2000).

## Other

Internal Reviewer, Economics Department - External Review. (October 25, 2015 - October 28, 2015).

## Professional

Conference Session Chair, International Conference: Morality, Moral Philosophy, and the Humanities in the Age of Neuroscience. (November 17, 2016 - November 20, 2016).

Campus Representative, USENIX. (May 2007 - 2013).

Committee Member, ACM. (2000 - 2013).

Committee Member, INFORMS. (1990 - 2013).

## Student Organization

Student Org Advisor (Non-Professional Org), MISA. (August 2007 - 2012).

## University

Committee Member, Promotion Advisory Board. (September 2015 - April 2017).

Judge, Graduate Research Symposium. (April 21, 2017).

Committee Member, Promotion to Full Committee - Nettey, I. Richmond. (September 8, 2015 - October 15, 2015).

Committee Member, Joint-Appeals Board. (2011 - 2013).

Committee Member, Faculty Advisory Committee for Graduate Program. (October 2009 - 2013).

Alternate Representative from COB, Graduate Program Council. (May 2009 - 2013).

Committee Member, Search committee for Provost. (2011 - 2012).

Committee Member, UCT Subcommittee on Course Management Systems. (March 2009 - 2012).

Committee Member, UTC Subcommittee on Course Recording Software. (March 2009 - 2012).

Committee Member, Statistical and Qualitative Software Advisory Panel. (January 2009 - 2012).

Committee Member, Statistical Software Assessment Committee. (January 2009 - 2012).

Committee Member, Learning and Teaching in Large Classes Faculty Learning Community. (2003 - 2012).

Review committee, David B. Smith Award for graduate students. (June 2011 - August 2011).

Committee Chair, UTC Subcommittee on Course Recording Software. (March 2009 - 2010).

Committee Member, Provost Advisory Board. (December 2009 - May 2010).

Committee Member, Promotion Appeals Committee. (December 2008 - 2009).

Committee Member, Provost Advisory Board. (December 2008 - May 2009).

Committee Member, Consistency and Retention Transformation Committee. (March 2008 - September 2008).

Committee Chair, Learning and Teaching in Large Classes Faculty Learning Community. (August 2006 - January 2007).

Committee Member, Working Group for Wireless Technologies. (2004 - 2005).

Committee Member, Class Schedule Modeling Project. (January 2004 - December 2004).

Committee Member, Campus Pipeline. (2002 - 2004).

Committee Member, Research and Graduate Studies. (2003).

Committee Member, DARWin. (2000 - 2001).

# Curriculum Vitae

## Xiang Lian
### (PhD, HKUST, 2009)

ENGR 3.275

Department of Computer Science, University of Texas Rio Grande Valley (Edinburg Campus)

1201 West University Drive, Edinburg, TX 78539, USA

**Tel:** (+1) 956-665-2472 (*Office*); (+1) 956-295-8743 (Mobile)

**Email:** *xiang.lian@utrgv.edu*

**Homepage:** http://faculty.utpa.edu/lianx/index.html

## PERSONAL INFORMATION

| | |
|---|---|
| **First Name:** Xiang | **Gender:** Male |
| **Surname:** Lian | **Nationality:** China (Permanent Resident of Hong Kong and USA) |
| **Birthday:** September 18, 1981 | |

## EDUCATION

> **PhD** in Computer Science and Engineering, Advisor: Dr. Lei Chen     **Sept., 2003 ~ Aug., 2009**
> Department of Computer Science and Engineering
> *The Hong Kong University of Science and Technology*, Hong Kong, China

> **Bachelor** in Computer Science     **Sept., 1999 ~ Jun., 2003**
> Department of Computer Science and Technology
> *Nanjing University*, Nanjing, Jiangsu, China

## RESEARCH INTERESTS

My main research interest is in databases. In particular, I am interested in query processing over:

- Probabilistic, inconsistent, and uncertain databases;
- Uncertain and certain graph databases;
- Streaming time series; and
- Spatial databases.

## WORK EXPERIENCE

> **Assistant Professor**, *University of Texas Rio Grande Valley*, **Sept., 2015 ~ present**
> **Assistant Professor**, *University of Texas - Pan American*, **Sept., 2011 ~ Aug., 2015**
> **Research Assistant Professor**, *HKUST Fok Ying Tung Graduate School*, **Sept., 2010 ~ Sept., 2011**
> **Post-Doctoral Fellow**, *the Hong Kong University of Science and Technology*, **Sept., 2009 ~ Sept., 2011**
> **Research Assistant**, *the Hong Kong University of Science and Technology*, **Spring, 2009**
> **Research Assistant**, *the Hong Kong University of Science and Technology*, **Fall, 2008**
> **Research Assistant**, *the Hong Kong University of Science and Technology*, **Fall, 2007**
> **Research Assistant**, *the Hong Kong University of Science and Technology*, **Fall, 2005**

## REFEREED JOURNAL ARTICLES

*Journal Statistics: TODS - 1; VLDBJ - 4; TKDE - 18; ISCI - 3; IS - 2; JWS - 1; FCS - 1; HKIE Transactions - 1;*

**Year 2016**

1. **Xiang Lian** and Lei Chen. Quality-Aware Subgraph Matching Over Inconsistent Probabilistic Graph Databases. In

Curriculum Vitae
Xiang Lian(xiang.lian@utrgv.edu)

*IEEE Transactions on Knowledge and Data Engineering* (TKDE), 2016.

2. Ye Yuan, **Xiang Lian**, Lei Chen, Yongjiao Sun, and Guoren Wang. RS$k$NN: $k$NN Search on Road Networks by Incorporating Social Influence. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE),2015.

## Year 2015

3. **Xiang Lian**, Lei Chen, and Zi Huang. Keyword Search Over Probabilistic RDF Graphs. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 27(5), pages 1246-1260, 2015.

4. Liang Hong, Lei Zou, **Xiang Lian**, and Philip S. Yu. Subgraph Matching with Set Similarity in a Large Graph Database. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 27(9), pages 2507-2521, 2015.

5. Weiguo Zheng, Lei Zou, **Xiang Lian**, Dong Wang, and Dongyan Zhao. Efficient Graph Similarity Search over Large Graph Databases. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 27(4), pages 964-978, 2015.

## Year 2014

6. **Xiang Lian** and Lei Chen. Trip Planner Over Probabilistic Time-Dependent Road Networks. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 26(8), pages 2058-2071, 2014.

7. Weiguo Zheng, Lei Zou, **Xiang Lian**, Huaming Zhang, Wei Wang, and Dongyan Zhao. SQBC: An Efficient Subgraph Matching Method Over Large and Dense Graphs. In *Information Sciences* (ISCI), 261, pages 116-131, 2014.

## Year 2013

8. **Xiang Lian** and Lei Chen. Probabilistic Top-$k$ Dominating Queries in Uncertain Databases. In *Information Sciences* (ISCI), 226, pages 23-46, 2013.

9. **Xiang Lian**, Eugenio De Hoyos, Artem Chebotko, Bin Fu, and Christine Reilly. $k$-Nearest Keyword Search in RDF Graphs. In *Journal of Web Semantics* (JWS), 22, pages 40-56, 2013.

## Year 2012

10. **Xiang Lian** and Lei Chen. Subspace Similarity Search Under $L_p$-Norm. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 24(2), pages 365-382, 2012.

11. **Xiang Lian** and Lei Chen. Efficient Processing of Probabilistic Group Subspace Skyline Queries in Uncertain Databases. In *Information Systems* (IS), 38(3), pages 265-285, 2012.

12. Xiaofeng Ding, **Xiang Lian**, Lei Chen, and Hai Jin. Continuous Monitoring of Skylines Over Uncertain Data Streams. *Information Sciences* (ISCI), 184(1), pages 196-214, 2012.

## Year 2011

13. **Xiang Lian** and Lei Chen. Shooting Top-$k$ Stars in Uncertain Databases. In *Very Large Data Bases Journal* (VLDBJ), 20(6), pages 819-840, 2011.

14. **Xiang Lian** and Lei Chen. Probabilistic Inverse Ranking Queries in Uncertain Databases. In *Very Large Data Bases Journal* (VLDBJ), 20(1), pages 107-127, 2011.

15. **Xiang Lian** and Lei Chen. Similarity Join Processing on Uncertain Data Streams. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 23(11), pages 1718-1734, 2011.

16. **Xiang Lian**, Lei Chen, and Guoren Wang. Finding the Least Influenced Set in Uncertain Databases. In *Information Systems* (IS), 36(2), pages 359-385, 2011.

17. Ke Yi, **Xiang Lian**, Feifei Li, and Lei Chen. The World in a Nutshell: Concise Range Queries. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 23(1), pages 139-154, 2011.

## Year 2010

18. **Xiang Lian** and Lei Chen. Reverse Skyline Search in Uncertain Databases. In *ACM Transactions on Database Systems* (TODS), 35(1), 2010.

19. **Xiang Lian** and Lei Chen. Ranked Query Processing in Uncertain Databases. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 22(3), pages 420-436, 2010.

20. Lei Chen, Mitchell Tseng, and **Xiang Lian**. Development of foundation models for Internet of Things. In *Frontiers of*

2

*Computer Science* (FCS), 4(3), pages 376-385, 2010.

**Year 2009**

21. **Xiang Lian** and Lei Chen. Efficient Processing of Probabilistic Reverse Nearest Neighbor Queries over Uncertain Data. In *Very Large Data Bases Journal* (VLDBJ), 18(3), pages 787-808, 2009.

22. **Xiang Lian** and Lei Chen. Efficient Similarity Join over Multiple Stream Time Series. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 21(11), pages 1544-1558, 2009.

23. **Xiang Lian** and Lei Chen. General Cost Models for Evaluating Dimensionality Reduction in High Dimensional Spaces. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 21(10), pages 1447-1460, 2009.

24. **Xiang Lian**, Lei Chen, Jeffrey Xu Yu, Jinsong Han, and Jian Ma. Multi-Scale Representations for Fast Pattern Matching in Stream Time Series. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 21(4), pages 568-581, 2009.

25. Lei Chen and **Xiang Lian**. Efficient Processing of Metric Skyline Queries. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 21(3), pages 351-365, 2009.

26. **Xiang Lian** and Lei Chen. Efficient Pattern Matching over Uncertain Data Streams (*The HKIE Outstanding Paper Award*). In the *HKIE Transactions*, 16(4), pages 9-18, 2009.

**Year 2008**

27. **Xiang Lian** and Lei Chen. Probabilistic Group Nearest Neighbor Queries in Uncertain Databases. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 20(6), pages 809-824, 2008.

28. **Xiang Lian** and Lei Chen. Efficient Similarity Search over Future Stream Time Series. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 20(1), pages 40-54, 2008.

29. Lei Chen and **Xiang Lian**. Efficient Similarity Search in Nonmetric Spaces with Local Constant Embedding. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 20(3), pages 321-336, 2008.

**Year 2007**

30. Yufei Tao, **Xiang Lian**, Dimitris Papadias, and Marios Hadjieleftheriou. Random Sampling for Continuous Streams with Arbitrary Updates. In *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 19(1), pages 96-110, 2007.

31. Yufei Tao, Dimitris Papadias, **Xiang Lian**, and Xiaokui Xiao. Multidimensional Reverse *k*NN Search. In *Very Large Data Bases Journal* (VLDBJ), 16(3), pages 293-316, 2007, invited submission from best of *VLDB* 2004.

## REFEREED CONFERENCE PUBLICATIONS

*Conference Statistics: SIGMOD - 5; VLDB - 5; ICDE - 5; EDBT - 3; CIKM - 5; DASFAA - 2; SSDBM - 2;*

**Year 2015**

32. Weiguo Zheng, Lei Zou, **Xiang Lian**, Jeffrey Xu Yu, Shaoxu Song, and Dongyan Zhao. How to Build Templates for RDF Question/Answering - An Uncertain Graph Similarity Join Approach. In Proceedings of the *ACM Conference on the Management of Data* (SIGMOD'15), pages 1809-1824, Melbourne, VIC, Australia, May 31 - Jun. 4, 2015.

33. Peng Cheng, **Xiang Lian**, Zhao Chen, Lei Chen, Jinsong Han, and Jizhong Zhao. Reliable Diversity-Based Spatial Crowdsourcing by Moving Workers. In Proceedings of the *Very Large Data Bases Conference* (PVLDB'15), Kohala, Hawai'i, USA, Aug. 31 - Sept. 4, 2015.

**Year 2014**

34. Xiaochen Zhu, Shaoxu Song, **Xiang Lian**, Jianmin Wang, Lei Zou. Matching Heterogeneous Event Data. In Proceedings of the *ACM Conference on the Management of Data* (SIGMOD'14), pages 1211-1222, Snowbird, Utah, USA, Jun. 22-27, 2014.

35. Weiguo Zheng, Lei Zou, **Xiang Lian**, Liang Hong, and Dongyan Zhao. Efficient Subgraph Skyline Search Over Large Graphs. In Proceedings of the *ACM Conference on Information and Knowledge Management* (CIKM'14),

*Acceptance rate: 19.2%.*

50. **Xiang Lian** and Lei Chen. Probabilistic Ranked Queries in Uncertain Databases. In Proceedings of the *International Conference on Extending Database Technology* (EDBT'08), pages 511-522, Nantes, France, Mar. 25-30, 2008. *Acceptance rate: 16.7%.*

51. Lei Chen and **Xiang Lian**. Dynamic Skyline Queries in Metric Spaces. In Proceedings of the *International Conference on Extending Database Technology* (EDBT'08), pages 333-343, Nantes, France, Mar. 25-30, 2008. *Acceptance rate: 16.7%.*

52. **Xiang Lian**, Lei Chen, and Jeffrey Xu Yu. Pattern Matching over Cloaked Time Series (poster paper). In Proceedings of the *International Conference on Data Engineering* (ICDE'08), pages 1462-1464, Cancún, México, Apr. 7-12, 2008. *Acceptance rate: 31%.*

### Year 2007

53. **Xiang Lian** and Lei Chen. A General Cost Model for Dimensionality Reduction in High Dimensional Spaces. In Proceedings of the *International Conference on Data Engineering* (ICDE'07), pages 66-75, Istanbul, Turkey, Apr. 16-20, 2007. *Acceptance rate: 18.5%.*

54. **Xiang Lian**, Lei Chen, Jeffrey Xu Yu, Guoren Wang, and Ge Yu. Similarity Match Over High Speed Time-Series Streams. In Proceedings of the *International Conference on Data Engineering* (ICDE'07), pages 1086-1095, Istanbul, Turkey, Apr. 16-20, 2007. *Acceptance rate: 18.5%.*

55. Qiuxia Chen, Lei Chen, **Xiang Lian**, Yunhao Liu, and Jeffrey Xu Yu. Indexable PLA for Efficient Similarity Search. In Proceedings of the *Very Large Data Bases Conference* (VLDB'07), pages 435-446, Vienna, Austria, Sept. 23-27, 2007. *Acceptance rate: 16.9%.*

56. **Xiang Lian**, Lei Chen, and Bin Wang. Approximate Similarity Search over Multiple Stream Time Series (short paper). In Proceedings of the *International Conference on Database Systems for Advanced Applications* (DASFAA'07), pages 962-968, Bangkok, Thailand, Apr. 9-12, 2007. *Acceptance rate: 18.7%.*

### Year 2006

57. **Xiang Lian** and Lei Chen. Efficient Methods on Predictions for Similarity Search over Stream Time Series. In Proceedings of the *International Conference on Scientific and Statistical Database Management* (SSDBM'06), pages 241-250, Vienna, Austria, July 3-5, 2006.

### Year 2004

58. Yufei Tao, Dimitris Papadias, and **Xiang Lian**. Reverse *k*NN Search in Arbitrary Dimensionality. In Proceedings of the *Very Large Data Bases Conference* (VLDB'04), pages 744-755, Toronto, Canada, Aug. 30-Sept. 3, 2004. *Acceptance rate: 16%.*

## BOOKS, BOOK CHAPTERS, AND WORKSHOP PAPERS

*Book and Workshop Statistics: Book - 1; Conference Workshop - 2;*

### Year 2012

59. Lei Chen and **Xiang Lian**. Query Processing over Uncertain Databases (Book; DOI number: *doi:10.2200/S00465ED1V01Y201212DTM033*). In *Synthesis Lectures on Data Management*, Vol. 4, No. 6, pages 1-101, December, 2012.

60. Artem Chebotko, Eugenio De Hoyos, Carlos Gomez, Andrey Kashlev, **Xiang Lian**, and Christine Reilly. UTPB: A Benchmark for Scientific Workflow Provenance Storage and Querying Systems. In the *6th International IEEE Workshop on Scientific Workflows*, Honolulu, Hawaii, USA, June 24-29, 2012.

### Year 2011

61. Thomas Bernecker, Tobias Emrich, Hans-Peter Kriegel, Andreas Züfle, Lei Chen, Xiang **Lian**, and Nikos Mamoulis.

Managing Uncertain Spatio-Temporal Data. In *QUeST@GIS*, pages 16-20, Chicago, IL, USA, 2011.

## TECHNICAL REPORT

*Technical Report Statistics: Technical Report - 3;*

### Year 2015

62. Peng Cheng, **Xiang Lian**, Lei Chen, Jinsong Han, and Jizhong Zhao. Task Assignment on Multi-Skill Oriented Spatial Crowdsourcing (Technical Report). In *CoRR abs/1510.03149 [http://arxiv.org/abs/1510.03149]*, 2015.

63. Peng Cheng, **Xiang Lian**, Lei Chen, Cyrus Shahabi. Prediction-Based Task Assignment on Spatial Crowdsourcing (Technical Report). In *CoRR abs/1512.08518 [http://arxiv.org/abs/1512.08518]*, 2015.

### Year 2014

64. Peng Cheng, **Xiang Lian**, Zhao Chen, Lei Chen, Jinsong Han, and Jizhong Zhao. Reliable Diversity-Based Spatial Crowdsourcing by Moving Workers (Technical Report). In *CoRR abs/1412.0223 [http://arxiv.org/abs/1412.0223]*, 2014.

## PROFESSIONAL SERVICES

*Service Statistics: (Co-)chair - 2; Journal Reviewer - 27; Conference/Workshop Reviewer - 18; External Reviewer - 18; Technical Program Committee Member - 3; Grant Proposal Reviewer - 2; IEEE Software Evaluator - 1; Tutorial - 1; Talks - 14;*

**Chair and co-chair** for:

*ACM Conference on the Management of Data* (SIGMOD), Proceedings Co-Chair [2014, 2015]; and

*International Conference on Web-Age Information Management* (WAIM), Proceedings Co-Chair [2016].

**Journal reviewer** for:

*ACM Transactions on Database Systems* (TODS) [2016];

*Very Large Data Bases Journal* (VLDBJ) [2010, 2012, 2013, 2014, 2015, 2016];

*IEEE Transactions on Knowledge and Data Engineering* (TKDE) [2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016];

*ACM Transactions on the Web* (TWEB) [2009];

*Information Systems* (IS) [2013];

*Knowledge and Information Systems* (KAIS) [2012, 2013];

*Information Sciences* (ISCI) [2013, 2014, 2015];

*Data and Knowledge Engineering Journal* (DKE) [2012, 2013];

*World Wide Web Journal* (WWWJ) [2011, 2013, 2016];

*Journal of Computer Science and Technology* (JCST) [2012, 2013];

*Distributed and Parallel Databases* (DAPD) [2012, 2013, 2014, 2015];

*Transactions on Knowledge Discovery from Data* (TKDD) [2013, 2014];

*Transactions on Systems, Man, and Cybernetics – Part B: Cybernetics* (SMCB) [2012];

*ACM Transactions on Interactive Intelligent Systems* (ACM TiiS) [2013];

*International Journal on Advances of Computer Science for Geographic Information Systems* (Geoinformatica) [2015];

*International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems* (IJUFKS) [2014, 2015, 2016];

*International Journal of Cooperative Information Systems* (IJCIS) [2015];

*Frontiers of Computer Science* (FCS) [2011, 2014];

*Transactions on Fuzzy Systems* (TFS) [2015, 2016];

*China Communication* (CNCOMM) (*Big data special issue*) [2014];

*International Journal of Distributed Sensor Networks* [2015];

*Neurocomputing* [2015];

*The Journal of Computers* (JCP) [2013, 2014];

*The Computer Journal* (COMPJ) [2014];

*Journal of Computer Science and Technology* (JCST) [2015, 2016];

*SpringerPlus* [2015]; and

*Journal of Web Engineering* (JWE) [2015].

**Program committee (PC) member and reviewer** for:

*International Conference on Data Engineering* (ICDE) [2012];

*ACM Conference on Information and Knowledge Management* (CIKM) [2011];

*ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems* (GIS) [2015];

*International Conference on Web-Age Information Management* (WAIM) [2010, 2013, 2014, 2016];

*International Asia-Pacific Web Conference* (APWeb) [2013, 2014, 2016];

*International Conference on Database Systems for Advanced Applications* (DASFAA) [2015];

*International Joint Conference on Artificial Intelligence* (IJCAI) [2015];

*IEEE International Conference on Computer and Information Technology* (CIT) [2010, 2011, 2013];

*IEEE International Conference on Parallel and Distributed Systems* (ICPADS) [2014];

*Asia-Pacific Services Computing Conference* (APSCC) [2014, 2016];

*Wireless Telecommunications Symposium* (WTS) [2015];

*IEEE Frontiers in Education Conference* (FIE) [2015];

*International Conference on Big Data Computing and Communication* (BIGCOM) [2016];

*IEEE International Conference on Intelligent Cloud Computing* (ICC) [2016];

*International Workshop on Semantic Big Data* (SBD @ SIGMOD) [2016]

*International Workshop on Uncertain Data Computing* [2013];

*International Workshop on Graph Database* (IWGD) [2010]; and

*International Workshop on Management and mining Of UNcertain Data* (MOUND) [2009].

**External conference reviewer** for:

*ACM Conference on the Management of Data* (SIGMOD) [2006, 2007, 2008, 2009, 2010, 2011, 2015, 2016];

*Very Large Data Bases Conference* (VLDB) [2004, 2005, 2006, 2007, 2008, 2010, 2012, 2013, 2015];

*International Conference on Data Engineering* (ICDE) [2006, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2015];

*ACM SIGKDD Conference on Knowledge Discovery and Data Mining* (SIGKDD) [2010];

*IEEE International Conference on Data Mining* (ICDM) [2009, 2010, 2012];

*International Conference on Extending Database Technology* (EDBT) [2006, 2013, 2014];

*International World Wide Web Conferences* (WWW) [2008, 2009];

*ACM Conference on Information and Knowledge Management* (CIKM) [2005, 2013];

*IEEE International Conference on Computer Communications* (INFOCOM) [2013];

*International Conference on Scientific and Statistical Database Management* (SSDBM) [2005, 2007, 2008, 2010];

*International Conference on Database Systems for Advanced Applications* (DASFAA) [2011, 2014];

*ACM Multimedia* (MM) [2012];

*ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems* (GIS) [2009, 2010];

*Symposium on Spatial and Temporal Databases* (SSTD) [2005];

*International Conference on Database and Expert Systems Applications* (DEXA) [2004, 2005]; and

*Mobile Data Management* (MDM) [2009].

**External workshop reviewer** for:

*International Workshop on Data Quality in Integration Systems* (DQIS'11) [2011]; and

*ACM SIGKDD International Workshop on Knowledge Discovery from Uncertain Data* (U'09) [2009].

**Technical program committee member and organizing committee member** for:

*IEEE International Conference on Intelligent Cloud Computing (ICC)* [2016];

*Wireless Telecommunications Symposium* (WTS) [2015, 2016]; and

*The 5ᵗʰ Beijing-Hong Kong International Doctoral Forum* [2010].

**Research grant proposal reviewer** for:

Initiative of the Chilean National Science and Technology Commission (CONICYT), Chile [2015]; and

STW / Enabling new technology, *Technology Foundation STW*, Netherlands [2014].

**Evaluator** for:

IEEE Collabratec™, *IEEE Platform Testing*, IEEE [2014].

**Tutorials** for:

- Lei Chen and **Xiang Lian**. Query Processing over Uncertain and Probabilistic Databases. In Proceedings of the *International Conference on Database Systems for Advanced Applications* (DASFAA'12), pages 326-327, Busan, South Korea, Apr. 15-19, 2012.

**Talks and Presentations** for:

- **Xiang Lian**. Efficient Management Over Probabilistic Graph Databases. Tsinghua University, Beijing, China, July, 2015.

- **Xiang Lian** and Lei Chen. Causality and Responsibility: Probabilistic Queries Revisited in Uncertain Databases. *ACM Conference on Information and Knowledge Management* (CIKM'13), San Francisco, CA, USA, Oct. 27 - Nov. 1, 2013.

- **Xiang Lian**. Query Processing in Uncertain Databases. Fudan University, Shanghai, China, July, 2013.

- **Xiang Lian**. Efficient Query Answering Over Uncertain Data. Tsinghua University, Beijing, China, June, 2012.

- **Xiang Lian**. Consistent Query Answers in Inconsistent Probabilistic Databases. Beijing University, Beijing, China, June, 2012.

- **Xiang Lian**, Yincheng Lin, and Lei Chen. Cost-Efficient Repair in Inconsistent Probabilistic Databases. *ACM Conference on Information and Knowledge Management* (CIKM'11), Glasgow, United Kingdom, Oct. 24-28, 2011.

- **Xiang Lian** and Lei Chen. Set Similarity Join on Probabilistic Data. *Very Large Data Bases Conference* (VLDB'10), Singapore, Sept. 13-17, 2010.

- **Xiang Lian**, Lei Chen, and Shaoxu Song. Consistent Query Answers in Inconsistent Probabilistic Databases. *ACM Conference on the Management of Data* (SIGMOD'10), Indianapolis, Indiana, USA, Jun. 6-11, 2010.

- **Xiang Lian** and Lei Chen. Efficient Pattern Matching over Uncertain Data Streams (The HKIE Outstanding Paper Award). *Hong Kong Institution of Engineers* (HKIE), Hong Kong, China, December, 2009.

- **Xiang Lian** and Lei Chen. Monochromatic and Bichromatic Reverse Skyline Search over Uncertain Databases. *ACM Conference on the Management of Data* (SIGMOD'08), Vancouver, Canada, Jun. 9-12, 2008.

- **Xiang Lian** and Lei Chen. Probabilistic Ranked Queries in Uncertain Databases. *International Conference on Extending Database Technology* (EDBT'08), Nantes, France, Mar. 25-30, 2008.

- Lei Chen and **Xiang Lian**. Skyline Queries in Metric Spaces. *International Conference on Extending Database Technology* (EDBT'08), Nantes, France, Mar. 25-30, 2008.

- **Xiang Lian** and Lei Chen. A General Cost Model for Dimensionality Reduction in High Dimensional Spaces. International Conference on Data Engineering (ICDE'07), Istanbul, Turkey, Apr. 16-20, 2007.

- **Xiang Lian**, Lei Chen, Jeffrey Xu Yu, Guoren Wang, and Ge Yu. Similarity Match Over High Speed Time-Series Streams. *International Conference on Data Engineering* (ICDE'07), Istanbul, Turkey, Apr. 16-20, 2007.

**University/College/Department services** for:

- *Colloquium Committee* (Department), Chair [2012 ~ 2013]
- *Annual Evaluation Committee* (Department), Chair [2013 ~ 2014]

8

- *Faculty Research Council* (FRC; University), Member [2014 ~2015]
- *Excellence Awards Selection Committee* (College), Member [2014]
- *Majors Fair* (College), Volunteer [2012, 2013, 2014]
- *Annual Evaluation Committee* (Annual Evaluation and Nominations of Faculty Excellence Awards; Department and College), Member [2012 ~ 2013]
- *Undergraduate Curriculum Committee* (Department), Member [2011, 2012, 2013, 2014, 2015, 2016]
- *Graduate Committee* (Department), Member [2011, 2012, 2013, 2014, 2015, 2016]
- *Faculty Search Committee* (Department), Member [2014 ~2016]

**Student helper** for:

*IEEE International Conference on Data Mining* (ICDM) [2006, Hong Kong]

**ACM SIGMOD member** [2010]

**IEEE student member** [2007, 2008, 2009, 2010]

**IEEE communications society member** [2010]

## TEACHING EXPERIENCE

**Instructor**, *University of Texas Rio Grande Valley*                                                        **2015 ~ present**

- Operating Systems (CSCI/CMPE 4334), Spring, 2016
- Applied Database Systems [graduate] (CSCI 6315), Spring, 2016
- Database Design and Implementation (CSCI 4333), Fall, 2015
- Object Oriented Programming in C# (CSCI/CMPE 3328), Fall, 2015
- Master's Thesis (CSCI 7300) [graduate], Fall, 2015

**Instructor**, *University of Texas - Pan American*                                                        **2011 ~ 2015**

- Operating Systems (CSCI/CMPE 4334), Spring, 2015
- Topic: Programming in Python (CSCI/CMPE 4341), Spring, 2015
- Object Oriented Programming in C# (CSCI/CMPE 3328), Fall, 2014
- Database Design and Implementation (CSCI 4333), Fall, 2014
- Problems in Computer Science [graduate] (CSCI 6380), Fall, 2014
- Independent Research and Study [graduate] (CSCI 6381), Fall, 2014
- Computer Science I: C++ Programming (CSCI 1380), Spring, 2014
- Operating Systems (CSCI/CMPE 4334), Spring, 2014
- Master's Project (CSCI 6390) [graduate], Spring, 2014
- Object Oriented Programming in C# (CSCI/CMPE 3328), Fall, 2013
- Foundations of Systems [graduate] (CSCI 6307), Fall, 2013
- Computer Science I: C++ Programming (CSCI 1380), Spring, 2013
- Operating Systems (CSCI/CMPE 4334), Spring, 2013
- Independent Research and Study [graduate] (CSCI 6381), Spring, 2013
- Computer Science I: C++ Programming (CSCI 1380), Fall, 2012
- Object Oriented Programming in C# (CSCI 3328), Fall, 2012
- Master's Project (CSCI 6390) [graduate], Fall, 2012
- Computer Science I: C++ Programming (CSCI 1380), Spring, 2012
- Operating Systems (CSCI/CMPE 4334), Spring, 2012
- Master's Thesis (CSCI 7300) [graduate], Spring, 2012
- Computer Science I: C++ Programming (CSCI 1380/1387), Fall, 2011
- Visual Basic (CSCI 3327), Fall, 2011

9

➢ Independent Research and Study [graduate] (CSCI 6381), Fall, 2011

**Teaching Assistant**, *the Hong Kong University of Science and Technology*                    2003 ~ 2008

➢ Database Management Systems (COMP 231), Dr. Lei Chen and Dr. Dik Lun Lee, Spring, 2008

➢ Design and Analysis of Algorithms (COMP 271), Dr. An-Chow Lai, Spring, 2007

➢ Data Structures and Algorithms (COMP 171), Dr. Lei Chen, Fall, 2006

➢ Similarity Search Over Databases (COMP 630J), Dr. Lei Chen, Spring, 2006

➢ Advanced Database Systems: MSc in Information Technology Course (CSIT 530), Dr. Dimitris Papadias, Spring, 2005

➢ Database Management Systems (COMP 231), Dr. Dimitris Papadias, Spring, 2005

➢ Database Architecture and Implementation (COMP 530), Dr. Dimitris Papadias, Fall, 2004

➢ Data Structures and Algorithms (COMP 171), Dr. Shueng-Han Gary Chan, Spring, 2004

➢ Exploring Multimedia and Internet Computing (COMP101), Dr. Vincent Yun Shen, Fall, 2003

## AWARDS AND GRANTS

➢ **Undergraduate Research Initiative (URI)**, **Xiang Lian (supervisor)** and Ms. Janette Garcia (undergraduate student), "Probabilistic Transitive Nearest Neighbor Queries on Road Networks", *University of Texas Rio Grande Valley*, Edinburg, Texas, USA, **Feb., 2016, $2,000**.

➢ **Grant of the Faculty Research Council (FRC)**, **Xiang Lian (PI)**, "Efficient and Accurate Query Processing on Road Networks with Dynamic and Uncertain Traffic Conditions", *University of Texas Rio Grande Valley*, Edinburg, Texas, USA, **Feb., 2015, $4,969.66**.

➢ **Departmental Research Travel Grant**, *ACM Conference on Information and Knowledge Management* (CIKM'13), San Francisco, CA, USA, Oct. 27 - Nov. 1, 2013;

➢ **Grant of the Faculty Research Council (FRC)**, **Xiang Lian (PI)**, "Search Your University", *University of Texas – Pan American*, Edinburg, Texas, USA, **Feb., 2012, $5,000**.

➢ **The HKIE Outstanding Paper Award for Young Engineers and Researchers**, "Efficient Pattern Matching over Uncertain Data Streams", *Hong Kong Institution of Engineers* (HKIE), Hong Kong, China, **Sept., 2009**

➢ **Best Paper Award**, "Inverse Ranking Queries over Uncertain Data", *International Conference on Database Systems for Advanced Applications* (DASFAA), Brisbane, Australia, **Apr., 2009**

➢ **Research Travel Grant**, *Very Large Data Bases Conference* (VLDB'10), Singapore, **Sept., 2010**

➢ **Research Travel Grant**, *ACM Conference on the Management of Data* (SIGMOD'10), Indianapolis, Indiana, USA, **Mar., 2010**

➢ **Research Travel Grant**, *ACM Conference on the Management of Data* (SIGMOD'08), Vancouver, Canada, **Jun., 2008**

➢ **Research Travel Grant**, *International Conference on Data Engineering* (ICDE'07), Istanbul, Turkey, **Dec., 2006**

➢ **Postgraduate Studentships**, *The Hong Kong University of Science and Technology*, Hong Kong, China, **2003 ~ 2009**

➢ **People Scholarships**, *Nanjing University*, China, **2000 ~ 2002**

➢ **IBM WSAD Certification**, *Nanjing University*, China, **2002**

➢ **China Undergraduate Mathematical Contest in Modeling (CUMCM)**, the third prize (Jiangsu Province), *Nanjing University*, China, **2002**

➢ **China Undergraduate Mathematical Contest in Modeling (CUMCM)**, the first prize (Jiangsu Province), *Nanjing University*, China, **2001**

➢ **The Competition of CKC Chinese Input System**, the third prize, *Nanjing University*, China, **2000**

## LANGUAGE PROFICIENCY

- ➤ Chinese (Native)
- ➤ English (Fluent)
- ➤ Cantonese (Basic)

## REFERENCES

**Dr. Lei Chen** (*Associate Professor of Computer Science*)
Department of Computer Science and Engineering the
Hong Kong University of Science and Technology
Clear Water Bay, Kowloon, Hong Kong
Homepage: http://www.cse.ust.hk/~leichen/
Telephone: (+852) 2358-6980
E-mail: *leichen@cse.ust.hk*

**Dr. M. Tamer Ozsu** (*Associate Dean (Research), Faculty of Mathematics and Professor of Computer Science*)
David R. Cheriton School of Computer Science
University of Waterloo
Waterloo, ON, Canada N2L 3G1
Homepage: https://cs.uwaterloo.ca/~tozsu/
Telephone: (+1) 519-888-4043
E-mail: *tamer.ozsu@uwaterloo.ca*

**Dr. Jeffrey Xu Yu** (*Professor of Computer Science*)
Department of Systems Engineering and Engineering Management
The Chinese University of Hong Kong
Room 511B, William M.W. Mong Engineering Building, CUHK, Hong Kong
Homepage: http://www.se.cuhk.edu.hk/people/yu.html
Telephone: (+852) 3943-8309
E-mail: *yu@se.cuhk.edu.hk*

**Dr. Xuemin Lin** (*Professor of Computer Science*)
School of Computer Science and Engineering
The University of New South Wales
Sydney, NSW 2052, Australia
Homepage: http://www.cse.unsw.edu.au/~lxue/
Telephone: (+61) 2-9385-6493
E-mail: *lxue@cse.unsw.edu.au*

*Last updated: February, 2016*

11

# Jin, Ruoming

Associate Professor
9063 Computer Science Department,
Kent State University

Office: MCS264/(330)672-
Email: jin@cs.kent.edu
http://www.cs.kent.edu/~jin

## Research Interests

Data Mining, Graph Databases, Complex Network Analysis, Bio-Medical Informatics, and Cloud Computing.

## Education

Ph.D. (2005) in Computer Science — CSE Dept., Ohio State University
   Dissertation: New Techniques for Efficiently Discovering Frequent Patterns
M.S. (2001) in Computer Science — CIS Dept., University of Delaware
M.E. (1999), B.E. (1996) in Computer Engineering — CSE Dept., Beihang University, China

## Research and Work Experience

- Associate Professor, Aug. 2011 -
  Computer Science Department (CS), Kent State University
- Visiting Researcher, May 2011 - Jul. 2011, Jun. 2010-Jul. 2010 Microsoft Research Asia (MSRA)
- Assistant Professor, Aug. 2005 - Jul. 2011
  Computer Science Department (CS), Kent State University
- Research Assistant, Sep. 2002 - Aug. 2005
  Department of Computer Science and Engineering (CSE), The Ohio State University
- Research Scientist, Aug. 2001 - Sep. 2002
  Department of Computer Science and Engineering (CSE), The Ohio State University
- Research Assistant, Aug. 1999 - July 2001
  Computer Information Science Department (CIS), University of Delaware
- Member of Technical Staff, Feb. 1999 - June 1999 Bell Labs, Lucent Technology (Beijing, China)
- Research Assistant, Sep. 1996 - Jan. 1999
  Software Engineering Institute (SEI), Beihang University

## Honors

- NSF CAREER Award (Novel Data Mining Technologies for Complex Network Analysis), 2010-2015
- OBR Research Challenge Award, 2007-2008
- KSU Research Activity Award, 2007
- ACM KDD (Knowledge Discovery and Data Mining) student travel award, 2005
- OSU Presidential Fellowship, The Ohio State University, 2003-2004
- Winner of the "Fengru Cup" of Science & Technology Creative Contest, Beihang University, 1997
- First Prize of Peoples Scholarship, Beihang University, 1993, 1994, 1995
- Winner of Beijing College Programming Contest, 1993
- Champion of Computer Programming Contest of Beihang University, 1993

## Memberships

- Member of ACM (Association of Computing Machinery)
- Member of IEEE (Institute of Electrical and Electronics Engineers)

## Publications

Book Chapters and Journal Papers

1. *Topic level expertise search over heterogeneous networks*, Jie Tang, Jing Zhang, Ruoming Jin, Zi Yang, Keke Cai, Li Zhang, and Zhong Su. Mach. Learn. 82, 2 (February 2011), 211-237, 2011.

2. *Summarizing transactional databases with overlapped hyperrectangles, theories and algorithms*, Yang Xiang,

Ruoming Jin, Dave Fuhry, and Feodor Dragan, Data Mining and Knowledge Discovery (DMKD), 23(2): 215- 251 (2011).

3. *Path-Tree: An Efficient Reachability Indexing Scheme for Very Large Directed Graphs*, Ruoming Jin, Yang Xiang, Ning Ruan, Haixun Wang, ACM Transactions on Database Systems (TODS), 36(1): 7 (2011).

4. *A Survey of Algorithms for Dense Subgraph Discovery*, Victor Lee, Ning Ruan, Ruoming Jin, and Charu Agrawal, book chapter in MANAGING AND MINING GRAPH DATA (Springer), edited by Charu Agrawal and Haixun Wang, February 2010.

5. *Predicting Biomarkers for Chronic Lymphocytic Leukemia Using Gene Co-Expression Network Analyses for ZAP70*, J. Zhang, L. Ding, K. Circle, T. Borlawsky, Y. Xiang, H. Ozer, R. Jin, P. Payne, and K. Huang, in BMC Bioinformatics (invited publication as part of a special relationship between AMIA and BMC to recog- nize exceptional 2010 Translational BioInformatics Summit papers).

6. *Data Discretization Unification*, Ruoming Jin, Yuri Breitbart, and Chibuike Muoh, in Knowledge and Information System (KAIS journal), Volume 19, Number 1, Pages 1-29, April, 2009.

7. *MMIS07, 08: mining multiple information sources workshop report*, Xingquan Zhu, Ruoming Jin, Yuri Breitbart, Gagan Agrawal, SIGKDD Explorations 10(2): 61-65 (2008)

8. *Middleware for Data Mining Applications on Clusters and Grids*, Leonid Glimcher, Ruoming Jin, Gagan Agrawal, Journal of Parallel and Distributed Computing (JPDC), 68(1): 37-53 (2008).

9. *Frequent Pattern Mining in Data Streams*, Ruoming Jin, Gagan Agrawal, book chapter in Data *Streams: Models and Algorithms*, Ed. Charu Aggrawal, Spinger, 2007.

10. *Fast and Exact Out-of-Core and Distributed K-Means Clustering*, Ruoming Jin, Anjan Goswami, and Gagan Agrawal, in Knowledge and Information System (KAIS journal), 10(1): 17-40 (2006) .

11. *Communication and Memory Optimal Parallel Data Cube Construction*, Ruoming Jin, Karthik Vaidyanathan, Ge Yang, and Gagan Agrawal, in the IEEE transactions on Parallel and Distributed Systems (TPDS), 16(12): 1105-1119 (2005).

12. *A Methodology for Detailed Performance Modeling of Reduction Computations on SMP Machines*, Ruoming Jin and Gagan Agrawal, in Performance Evaluation, Vol. 60(1-4), p. 73-105, 2005.

13. *Shared Memory Parallelization of Data Mining Algorithms: Techniques, Programming Interface, and Perfor- mance*, Ruoming Jin, Ge Yang, and Gagan Agrawal, in the IEEE Transactions on Knowledge & Data Engi- neering (TKDE), Vol. 17, No. 1, January, 2005

14. *Implementing Data Cube Construction Using a Cluster Middleware: Algorithms, Implementation Experience, and Performance Evaluation*, Ge Yang, Ruoming Jin, and Gagan Agrawal, in Future Generation Computer Systems (FGCS), v. 19, i. 4, p. 533 - 550, 2003.

15. *Research on Static Prediction and Visual Analysis of Program Execution Time*, Changai Sun, Maozhong Jin, Chao Liu, and Ruoming Jin, Journal of Software (Chinese), Vol. 14, No. 1, 2003, p: 68-75.

16. *Testing Technology of Real-time and Embedded Software*, Changai Sun, Ruoming Jin, Chao Liu, and Maozhong Jin, Journal of Mini Micro Systems (Chinese), Vol. 21, No. 9, 2000, p: 920-924.

Conference and Referred Workshop Papers

17. *SCARAB: Scaling Reachability Computation on Large Graphs*, Ruoming Jin, Ning Ruan, Saikat Dey, and Jeffrey Xu Yu, in SIGMOD12.

18. *A Highway-Centric Labeling Approach for Answering Distance Queries on Large Sparse Graphs*, Ruoming Jin, Ning Ruan, Yang Xiang, and Victor Lee, in SIGMOD12.

19. *Optimizing Index for Taxonomy Keyword Search*, Bolin Ding, Haixun Wang, Ruoming Jin, Jiawei Han, and Zhongyuan Wang, in SIGMOD12.

20. *Distance Preserving Graph Simplification*, Ning Ruan, Ruoming Jin, and Yan Huang, in ICDM11.

21. *A Hypergraph-based Method for Discovering Semantically Associated Itemsets*, Haishan Liu, Paea LePendu, Ruoming Jin, Dejing Dou, ICDM11.

22. *Multi-view random walk framework for search task discovery from click-through log*, Jianwei Cui, Hongyan Liu, Jun Yan, Lei Ji, Ruoming Jin, Jun He, Yingqin Gu, Zheng Chen, Xiaoyong Du, in CIKM11.

23. *Axiomatic Ranking of Role Similarity*, Ruoming Jin, Victor Lee, and Hui Hong, in SIGKDD11.

24. *Discovering Highly Reliable Subgraphs in Uncertain Graphs*, Ruoming Jin, Lin Liu, and Charu Agrawal, in SIGKDD11.

25. *Relational Approach for Shortest Path Discovery over Large Graphs*, Jun Gao, Ruoming Jin, Jiashuai Zhou, Jeffrey Xu Yu, Xiao Jiang, and Tengjiao Wang, PVLDB 5(4): 358-369(2011)

26. *Computing Distance-Constraint Reachability in Uncertain Graphs*, Ruoming Jin, Lin Liu, Bolin Ding, and Haixun Wang, PVLDB 4(9): 551-562 (2011).

27. *Neighborhood-Privacy Protected Shortest Distance Computing in Cloud*, Jun Gao, Jeffrey Xu Yu, Ruoming Jin, Jiashuai Zhou, Tengjiao Wang, and Dongqing Yang, in SIGMOD11, 2011.

28. *On Dense Pattern Mining in Graph Streams*, Charu Aggarwal, Yao Li, Philip Yu, and Ruoming Jin, in VLDB10 (Full Paper, Acceptance Rate: 16.1%.)

29. *Computing Label Constraint Reachability in Graph Databases*, Ruoming Jin, Hui Hong, Haixun Wang, Ning Ruan and Yang Xiang, in the Proceedings of ACM SIGMOD conference (SIGMOD10), June, 2010, pages 123-134 (Full Paper, Acceptance Rate: 20.8%).

30. *Communication Motifs: A Tool to Characterize Social Communications*, Qiankun Zhao, Yuan Tian, Qi He, Nuria Oliver, Ruoming Jin, and Wang-Chien Lee, in CIKM10.

31. *Block Interaction: A Generative Summarization Scheme for Frequent Patterns*, Ruoming Jin, Yang Xiang, Hui Hong, and Kun Huang, in KDD10 workshop UP10 (Useful Patterns).

32. *Predicting biomarkers for chronic lymphocytic leukemia using gene co-expression network analyses for ZAP70*, Zhang J, Ding L, Keen-Circle K, Borlawsky T, Xiang Y, Ozer HG, Jin R, Payne PRO, Huang K. in the Proceedings of the AMIA Summit of Translational Bioinformatics, 2010.

33. *A Tree-Based Framework for Difference Summarization*, Ruoming Jin, Yuri Breitbart, and Rong Li, in the Proceeding of IEEE International Conference on Data Mining (ICDM09), pages 209-218 (Full Paper, Acceptance rate: 8.9%).

34. *A Sparsification Approach for Temporal Graphical Model Decomposition*, Ning Ruan, Ruoming Jin, Victor Lee, and Kun Huang, in the Proceeding of IEEE International Conference on Data Mining (ICDM09), pages 447-456 (Full Paper, Acceptance rate: 8.9%).

35. *Cartesian Contour: A Concise Representation for a Collection of Frequent Sets*, Ruoming Jin, Yang Xiang, and Lin Liu, in the Proceedings of the 15th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD09), pages 417-426 (Full Paper, Long Presentation, Acceptance rate: 10%).

36. *Migration Motif: A spatial-temporal pattern mining approach for financial market*, Xiaoxi Du, Ruoming Jin, Ling Ding, Victor Lee, and John Thornton, in the Proceedings of the 15th ACM SIGKDD International Confer- ence on Knowledge Discovery and Data Mining (KDD09), pages 1135-1144 (Industry/Application Track, Full Paper, Short Presentation, Acceptance rate: 27%).

37. *Multiple Information Sources Cooperative Learning*, Xingquan Zhu and Ruoming Jin, in the Proceedings of the 21st International Joint Conference on Artificial Intelligence (IJCAI), pages 1369-1375, Pasadena, California, USA (Full Paper, Acceptance rate: 25%).

38. *3-HOP: A High-Compression Indexing Scheme for Reachability Query*, Ruoming Jin, Yang Xiang, Ning Ruan, and Dave Fuhry, in the Proceedings of ACM SIGMOD conference (SIGMOD09), pages 813-826 (Full Paper, Acceptance rate: 15.9%).

39. *Identify Dynamic Network Modules with Temporal and Spatial Constraints*, Ruoming Jin, Scott McCallen, Chun-Chi Liu, Yang Xiang, Eivind Almaas, and Xianghong Jasmine Zhou, in the Proceedings of Pacic Sympo- sium on Biocomputing (PSB09) pages 14:203-214.

40. *Using Frequent Co-expression Network to Identify Gene Clusters for Breast Cancer Prognosis*, Jie Zhang, Yang Xiang, Ruoming Jin, Kun Huang, in Proceedings of the ISIBM International Joint Conferences on Bioinfor- matics, Systems Biology and Intelligent Computing, pages 428-434, IEEE Press, 2009.

41. *Efficient Skyline Computation in Metric Space*, Dave Fuhry, Ruoming Jin, and Donghui Zhang, in the Proceed- ings of 12th International Conference on Extending Database Technology (EDBT09), pages 1042-1051, March, 2009 (Full Paper, Acceptance rate: 32%).

42. *Estimating the Number of Frequent Itemsets in a Large Database*, Ruoming Jin, Scott Mccallen, Yuri Breitbart, Dave Fuhry, and Dong Wang, in the Proceedings of 12th International Conference on Extending Database Technology (EDBT09), pages 505-516, March, 2009 (Full Paper, Acceptance rate: 32%).

43. *Overlapping Matrix Pattern Visualization: a Hypergraph Approach*, Ruoming Jin, Yang Xiang, Dave Fuhry, and Feodor Dragan, in International Conference on Data Mining (ICDM08), pages 313-322 (Full Paper, Acceptance rate: 9.7%).

44. *A Topic Modeling Approach and its Integration into the Random Walk Framework for Academic Search*, Jie Tang, Ruoming Jin, Jing Zhang, in International Conference on Data Mining (ICDM08), pages 1055-1060 (Short Paper, Acceptance rate: 19.9%).

45. *Effective and efficient itemset pattern summarization: regression-based approaches*, Ruoming Jin, Muad Abu- Ata, Yang Xiang, and Ning Ruan, in the Proceedings of the 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD08), August, 2008, Pages 399-407 (Full Paper, Acceptance rate: 18.5%).

46. *Succinct summarization of transactional databases: an overlapped hyperrectangle scheme*, Yang Xiang, Ruoming Jin, Dave Fuhry, and Feodor Dragan, in the Proceedings of the 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD08), August, 2008, Pages 758-766 (Full Paper, Acceptance rate: 18.5%).

47. *Efficiently Answering Reachability Query on Very Large Directed Graphs*, Ruoming Jin, Yang Xiang, Ning Ruan, and Haixun Wang, in the Proceedings of ACM SIGMOD conference (SIGMOD08), June, 2008, Pages 595-608 (Full Paper, Acceptance rate: 18%).

48. *Query Planning for Searching Inter-dependent Deep-Web Databases*, Fan Wang, Gagan Agrawal, and Ruoming Jin, in the Proceedings of 20th International Conference on Scientific and Statistical Database Management (SSDBM08), July, 2008, pages 24-41 (Full Paper, Acceptance rate: 34.5%).

49. *Cost-Based Query Optimization for Complex Pattern Mining on Multiple Databases*, Ruoming Jin, Dave Fuhry, and Abdulkareem Alali, in the Proceedings of 11th International Conference on Extending Database Technology (EDBT08), March, 2008, pages 380-391 (Full Paper, Acceptance rate: 17.5%).

50. *Data Discretization Unification*, Ruoming Jin, Yuri Breitbart, and Chibuike Muoh, in the Proc. of the Seventh IEEE International Conference on Data Mining (ICDM07), Oct. 2007, pages 183-192, (Full Paper, Acceptance rate: 7%, received two best paper nomination).

51. *Trend Motif: A Graph Mining Approach for Analysis of Dynamic Complex Networks*, Ruoming Jin, Scott McCallen, and Eivind Almaas, in the Proc. of the Seventh IEEE International Conference on Data Mining (ICDM07), Oct. 2007, pages 541-546 (Short Paper, Acceptance rate: 19%).

52. *SNPMiner: A Domain-Specific Deep Web Mining Tool*, Fan Wang, Gagan Agrawal, Ruoming Jin, and Helen Piontkivska. in IEEE 7th Symposium in Bioinformatics and Bioengineering (BIBE), Oct. 2007, pages 192-199. (Acceptance rate: 13%).

53. *Graph and Topological Structure Mining on Scientific Articles*, Fan Wang, Ruoming Jin, Gagan Agrawal, and Helen Piontkivska. in IEEE 7th Symposium in Bioinformatics and Bioengineering (BIBE), Oct. 2007, pages 1318-1322.

54. *Assigning Schema Labels Using Ontology and Heuristics*, Xuan Zhang, Ruoming Jin, and Gagan Agrawal, in IEEE 6th Symposium in Bioinformatics and Bioengineering (BIBE), pages 269-280, Oct. 2006.

55. *Exploratory Tools for Follow-Up Studies to Microarray Experiments*, Kaushik Sinha, Ruoming Jin, Gagan Agrawal, and Helen Piontkivska, in IEEE 6th Symposium in Bioinformatics and Bioengineering (BIBE), pages 81-85, Oct. 2006.

56. *FREERIDE-G: Supporting Applications that Mine Remote FREERIDE-G: Supporting Applications that Mine Remote*, Leo Glimcher, Ruoming Jin, and Gagan Agrawal, in the Proc. of International Conference on Parallel Processing (ICPP), pages 109-118, August 2006.

57. *A New Robust Estimation Technique for Approximate Processing of OLAP Queries*, Ruoming Jin, Leo Glimcher, Chris Jermaine, and Gagan Agrawal, in the Proc. of 22nd International Conference on Data Engineering (ICDE), 18, April 2006.

58. *A Systematic Approach for Optimizing Complex Mining Tasks on Multiple Databases*, Ruoming Jin and Gagan Agrawal, in the Proc. of 22nd International Conference on Data Engineering (ICDE), 17, April 2006.

59. *A Decomposition-Based Probabilistic Framework for Estimating the Selectivity of XML Twig Queries*, Chao Wang, Srinivasan Parthasarath, and Ruoming Jin, in the Proc. of 10th International Conference on Extending Database Technology (EDBT), pages 533-551, March 2006.

60. *An Algorithm for In-Core Frequent Itemset Mining on Streaming Data*, Ruoming Jin and Gagan Agrawal, in the Proc. of the Fifth IEEE International Conference on Data Mining (ICDM), pages 210-217, Nov. 2005.

61. *Using Data Mining Techniques to Learn Layouts of Flat-File Biological Datasets*, Kaushik Sinha, Xuan Zhang, Ruoming Jin, and Gagan Agrawal, in the IEEE 5th Symposium on Bioinformatics & Bioengineering (BIBE), pages 177-184, Oct. 2005.

62. *Simultaneous Optimization of Complex Mining Tasks with a Knowledgeable Cache*, Ruoming Jin, Kaushik Sinhak, and Gagan Agrawal, in the Proc. of 11th International Conference on Knowledge Discovery and Data Mining (SIGKDD), pages 600-605, Aug. 2005.

63. *Discovering Frequent Topological Patterns from Graph Datasets*, Ruoming Jin, Chao Wang, Dmitrii Polshako, Srinivasan Parthasarathy, Gagan Agrawal, in the Proc. of 11th International Conference on Knowledge Discovery and Data Mining (SIGKDD), pages 606-611, Aug. 2005.

64. *A Framework to Support Multiple Query Optimization for Complex Mining Tasks*, Ruoming Jin, Kaushik Sinhak, and Gagan Agrawal, in the Sixth International Workshop on Multimedia Data Mining in conjunction with KDD (MDM/KDD2005), Aug. 2005.

65. *Learning Layouts of Biological Datasets Semi-Automatically*, Kaushik Sinha, Xuan Zhang, Ruoming Jin, and Gagan Agrawal, in the Proc. of 2nd International Workshop on Data Integration in the Life Sciences (DILS), Jul. 2005.

66. *Parallelizing a Defect Detection and Categorization Application*, Leo Glimcher, Gagan Agrawal, Sameep Mehta, Ruoming Jin, and Raghu Machiraju, in the Proc. of International Parallel and Distributed Processing Sym- posium (IPDPS), April 2005

67. *Fast and Exact Out-of-Core K-Means Clustering*, Anjan Goswami, Ruoming Jin, and Gagan Agrawal, in the Proc. of International Conference on Data Mining (ICDM), pages 83-90, Nov. 2004.

68. *Using Tiling to Scale Parallel Data Cube Construction*, Ruoming Jin, Karthik Vaidyanathan, Ge Yang, and Gagan Agrawal, in the Proc. of International Conference on Parallel Processing (ICPP), pages 365-372, August 2004.

69. *Parallel Data Cube Construction: Algorithms, Theoretical Analysis, and Experimental Evaluation*, Ruoming Jin, Ge Yang, and Gagan Agrawal, in the Prof. of 10th International Conference on High Performance Computing (HiPC), pages 74-84, Dec. 2003.

70. *Efficient Decision Tree Construction on Streaming Data*, Ruoming Jin and Gagan Agrawal, in the Proc. of 9th International Conference on Knowledge Discovery and Data Mining (SIGKDD), pages 571-576, Aug. 2003.

71. *Communication and Memory Optimal Parallel Data Cube Construction*, Ruoming Jin, Ge Yang, Gagan Agrawal, and Karthik Vaidyanathan, in the Proc. of International Conference on Parallel Processing (ICPP), pages 573-580, Aug. 2003.

72. *Communication and Memory Efficient Parallel Decision Decision Tree Construction*, Ruoming Jin and Gagan Agrawal, in the Third SIAM International Conference on Data Mining (SDM), May 2003.

73. *Combining Distributed Memory and Shared Memory Parallelization for Data Mining Algorithms*, Ruoming Jin and Gagan Agrawal, in the 6th International Workshop on High Performance Data Mining: Pervasive and Data Stream Mining (HPDM: PDS03) in conjunction with SDM, April 2003.

74. *A Compilation Framework for Distributed Memory Parallelization of Data Mining Algorithms*, Xiaogang Li, Ruoming Jin, and Gagan Agrawal, in the Proc. of International Parallel and Distributed Processing Symposium (IPDPS), May, 2003.

75. *Impact of Data Distribution, Level of Parallelism and Communication Frequency on Parallel Data Cube Construction*, Ge Yang, Ruoming Jin, and Gagan Agrawal, in the Proc. of International Parallel and Distributed Processing Symposium (IPDPS), May, 2003.

76. *Compiler and Runtime Support for Shared Memory Parallelization of Data Mining Algorithms*, Xiaogang Li, Ruoming Jin, and Gagan Agrawal, in the Proc. of Languages and Compilers for Parallel Computing (LCPC), pages 265-279, 2002.

77. *Shared Memory Parallelization of Decision Tree Construction Using a General Data Mining Middleware*, Ruoming Jin and Gagan Agrawal, in the Proc. of EuroPar (EuroPar), pages 346-354, 2002.

78. *Performance Prediction for Random Write Reduction: A Case Study in Modeling Shared Memory Programs*, Ruoming Jin and Gagan Agrawal, in ACM Sigmetrics (SIGMETRICS), pages 117-128, 2002.

79. *Implementing Data Cube Construction Using a Cluster Middleware: Algorithms, Implementation Experience, and Performance Evaluation*, Ge Yang, Rooming Jin, and Gagan Agrawal, in 2nd IEEE International Symposium on Cluster Computing and the Grid (CCGrid), pages 84-92, 2002.

80. *Shared Memory Parallelization of Data Mining Algorithms: Techniques, Programming Interface, and Performance*, Ruoming Jin and Gagan Agrawal, in Second SIAM International Conference on Data Mining (SDM), 2002.

81. *Compiler and Middleware Support for Scalable Data Mining*, Gagan Agrawal, Ruoming Jin, and Xiaogang Li, in 9th Workshop on Compilers for Parallel Computers, pages 33-51, June 2001.

82. *An Efficient Association Mining Implementation on Cluster of SMPs*, Ruoming Jin and Gagan Agrawal, in 4th International Workshop on Parallel and Distributed Data Mining, April 2001.

83. *A Middleware for Developing Parallel Data Mining Applications*, Ruoming Jin and Gagan Agrawal, in First SIAM International Conference on Data Mining (SDM), April 2001.

84. *Compiling Data Intensive Applications with Spatial Coordinates*, Renato Ferreira, Gagan Agrawal, Ruoming Jin, and Joel Saltz, in Proc. of Languages and Compilers for Parallel Computing (LCPC), pages 339-354, 2000.

85. *High-level Programming Methodologies for Data Intensive Computing*, Gagan Agrawal, Renato Ferreira, Joel Saltz, and Ruoming Jin, in Proc. of Languages, Compilers and Runtime Systems for Scalable Machines, pages 32-43, 2000.

## Invited Talks and Colloquium

1. *Mining Uncertain Graphs: Tackling Uncertainty in Network Data*, invited talk at Case Western Reserve Univer- sity (Nov. 2011).

2. *Answering Reachability Query in Graph Database*, invited talks at University of Oregon (Nov. 2010) and North- western University (Nov. 2010).

3. *Computing Label-Constraint Reachability in Graph Databases*, presentation at SIGMOD 10 (June 2010), invited talk at Tencent Research Lab, Beijing (July, 2010).

4. *Mining Temporal Complex Network*, Biomedical Informatics Distinguished Guest Lecture, The OSU Center for Clinical and Translational Science, May, 2009.

5. *Efficiently Answering Reachability Query on Very Large Directed Graphs*, presentation at SIGMOD08 (June 2008), invited talk at Penn State (Oct. 2008), Oakland University (Sep. 2008), Beihang University, IBM China Research Lab, AOL Beijing Research Lab (July, 2008).

6. *Database Supports for Efficient Frequent Pattern Mining*, invited talks at IBM T.J. Watson Research Center (May, 2008), Colloquium at Department of Computer Science, Wayne State University (March, 2008), invited talk at Max-Planck-Institut fcken, Germany, (August, 2007).

7. *Scalable Data Mining: System Support and Algorithms*, invited talk at Beihang University and Mathematics and Systems Institute of Chinese Academy of Sciences, J u n e , 2007.

8. *Towards a Systematic Approach for Genome-Wide Rice Gene Annotation*, invited talk on the 3rd Rice Annotation Project Meeting (RAP3), Tsukuba, Japan, Dec. 9-10, 2006.

9. *Frequent Pattern Mining: Algorithms, Research Issues, and Applications*, talk at Department of Computer Science, Kent State University, Nov. 2005.

10. *Scalable Data Mining: System Support and Algorithms*, talk at IBM T.J. Watson, Dec. 2004.

11. *Efficiently and Accurately Mining Out-of-Core Datasets by Sampling*, talk at CMU AutonLab, Aug. 2004

12. *A Systematic Approach to Mine Multiple Datasets*, Ruoming Jin, System Group Seminar, OSU, April. 2004

13. *Developing Data Intensive Applications on SMP Clusters*, talk in First SIAM Conference on Computational Science and Engineering, September 2000.

## Funding

1. *Amazon Education Grant*, PI, $5100, 2012-2013.

2. *Mining across Multiple Related Data Streams*, National Nature Science Fundation of China (NSFC), 61003167, co-PI (PI: Peng Zhang), 200,000 (Yuan), 2 0 1 1 -2014.

3. *CAREER: Novel Data Mining Technologies for Complex Network Analysis*, NSF IIS-0953950, sole PI, $523,859.00, 2010-2015.

4. *OBR Research Challenge Award (2007-2008)*, $50,000, Principle Investigator, (Co-PI: Helen Piontkivska, B.S., KSU).

5. *KSU Research Activity Award, 2007*, Two-course release.

## Professional Service

KDD, ICDM are the top (rank-1) computer science conferences;
SDM, PKDD, PAKDD, EDBT are the rank-2 computer science conferences.

1. Workshop Co-Chair for International Workshop on Mining Multiple Information Sources, in conjunction with KDD07, KDD08, ICDM09, ICDM10.

2. Senior Program Committee Member for SDM10, SDM11.

3. Vice PC co-chairs, for ADMA 2011.

4. Sponsorship Co-Chair for SIAM Conference on Data Mining (SDM), 2009.

5. Program Committee Member for ACM conference on knowledge discovery and data mining (KDD), 2009, 2010, 2012.

6. Program Committee Member for International Conference on Data Mining (ICDM), 2009, 2010, 2011, 2012.

7. Program Committee Member for SIAM Conference on Data Mining (SDM), 2007, 2009, 2010, 2012.

8. Program Committee Member for International Conference on Extending Database Technology (EDBT), 2009.

9. Program Committee Member for Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), 2007, 2008, 2009, 2010, 2012.

10. Program Committee Member for the European Conference on Machine Learning / Principles and Practice of Knowledge Discovery in Databases (ECML PKDD), 2008.

11. Program Committee Member for European First International Conference on Data Mining (ECDM), 2007.

12. Program Committee Member for IEEE International Conference on Granular Computing, 2006, 2007, 2008.

13. Program Committee Member for International Conference on Information Systems, Technology, and Management (ICISTM), 2007, 2009.

14. Program Committee Member for 8th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD), 2007.

15. Program Committee Member for 2nd CIKM workshop of Data and Text Mining Methods in Bioinformatics (DTMbio), 2007.

16. Program Committee Member for International Workshop on High Performance Data Mining and Application (HPDMA), 2007, in Conjunction with PAKDD 2007.

17. Program Committee Member for 2006 ECML PKDD Workshop on Parallel Data Mining.

18. Program Committee Member for 9th International Workshop on High Performance and Distributed Mining, 2006.

19. Reviewer for International Conferences: VLDB 06, PODS 07, ICDCS 07.

20. Journal Reviewer for BMC Bioinformatics, IEEE Transactions on Knowledge and Data Engineering (TKDE), IEEE Transactions on Parallel and Distributed Systems (TPDS), and IEEE Transactions on Computers (TC), Journal of Machine Learning Research (JMR).

## Teaching & Course Development

1. St: Advanced Computing Platforms for Data Analysis, CS 4/5/6/79995 (Spring, 2012, New Course)

2. St: Application Development for Mobile Devices, CS4/59995 (Spring, 2011, New Course)

3. Advanced Database System Design, CS 6/73005 (Spring, 2006, & Fall, 2010)

4. St: Data Mining for Complex Network, CS6/79995 (Spring, 2010, New Course)

5. Database System Design, CS 4/53005 (Spring, 2009 & Fall, 2009)

6. Discrete Structures for Computer Science (CS 23022), (Spring 2010)

7. St: Graph Mining and Management, CS 6/79995 (Spring, 2007 & Spring, 2009, New Course)

8. Data Mining Techniques, CS 6/73015 (Fall, 2006, & Fall, 2007 & Fall, 2008)

9. Computer Architecture, CS 35101 (Fall, 2005)

## Current Advisees

1. Victor Lee (Ph.D. Candidate, Expected Graduation: Spring 2012)

2. Muad Abuata (Ph.D. Student, co-advising with Dr. Feodor Dragan, Passed Preliminary, Expected Graduation: Summer 2012)

3. Lin Liu (Ph.D. Candidate, Expected Graduation: Summer 2013)

4. Yelong Sheng (Ph.D. Student)

5. Guan Wang (Ph.D. Student)

6. Rong Li (M.S. Student)

7. Hui Hong (M.S. Student)

8. Daniel Gur (Undergraduate)

9. Nicholas Tietz (Undergraduate)

## *Graduated Advisees*

1. Ning Ruan (Ph.D. Feb. 2012, Google)

2. Chibuike Muoh (M.S., Nov. 2009, Highland Software)

3. Xiaoxi Du (M.S., April 2009)

4. Dong Wang (M.S., Nov. 2008, UT Houston)

5. Dave Furhy (M.S., April 2008, Ph.D. Program in Ohio State)

6. Dave Stanfill, (B.S., Honors thesis, April 2008)

7. Scott McCallen (M.S., Dec. 2007, Lockheed martin)