KARTHIKEYAN UMAPATHY

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School of Computing
University of North Florida
Jacksonville, FL 32224

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EDUCATION

- ***Ph.D. Information Sciences and Technology*** (May 2008), Pennsylvania State University, University Park, PA
- ***M.S Industrial Engineering*** (May 2003), Pennsylvania State University, University Park, PA
- ***B.E. Mechanical Engineering*** (May 1998), PSG College of Technology, Coimbatore, India

EXPERIENCE

- ***Associate Professor***, School of Computing, University of North Florida (From Aug 2013 onwards)
- ***Assistant Professor***, School of Computing, University of North Florida (Jan 2008 – Aug 2013)
- ***Visiting Instructor***, School of Computing, University of North Florida (Aug 2007 – Jan 2008)
- ***Graduate Research/ Teaching Assistant***, Penn State University (Aug 2000 – Aug 2007)
- ***Production Planning Engineer***, ELGI ELECTRIC & Industries Ltd., Coimbatore, India (June 1998 – Dec 1999)

GRANTS AND CONTRACTS – TOTAL: $62,383

Grants ($51,883)

3. **Umapathy, K.** (PI), Chuan, Ching-Hua (PI). 2013. Web Technology Development for Community Organizations. 2013 UNF Transformational Learning Opportunities (TLO) Award. Awarded amount: $5,000 (Requested amount: $10,000).

2. Miller, B. (PI-US Team, GSU), **Umapathy, K.** (Co-PI, UNF), Xiao, Lu (PI-Canada Team, UWO, Canada), Pullman, G. (Co-PI, GSU), and Karmakar, S. (Co-PI, GSU). 2012. Digging into Human Rights Violations: Anaphora Resolution and Emergent Witnesses. 2012 Digging into Data Challenge. Total awarded amount: $235,000. US Team is funded by National Science Foundation #1209172. US Team Award: $175,000 (**UNF sub-award: $36, 883**). Canadian Team is funded by SSHRC. Canadian Team Award: $ 60,000.

1. **Umapathy, K.** (PI), Chuan, Ching-Hua (PI). 2011. A Pilot for School of Computing TLO

Internship Program. 2012 UNF Transformational Learning Opportunities (TLO) Award. Awarded amount: $10,000 (Requested amount: $12,000).

Contracts ($10,500)

9. Contracted by Florida Campus Compact to develop "Working STEM Service-Learning Guide Document" containing best practices and guidelines for teaching service-learning courses as a part of the "STEM Faculty Scholars Institute" held on May 13 & 14, 2013 at Orlando, Florida. Received stipend of $200.

8. Contracted by UNF Community-Based Learning Center to Align CBTL outcomes with School of Computing Assessment and Program Outcomes in TracDat System. Received $500 stipend for my services provided between August 2012 and May 2013.

7. Contracted as Community-Based Transformational Learning (CBTL) Assessment Rater by UNF Center for Community-Based Learning, May 16, 2013. Received $400 stipend for my services.

6. Contracted as Community-Based Transformational Learning (CBTL) Assessment Rater by UNF Center for Community-Based Learning, December 13, 2012. Received $400 stipend for my services.

5. Contracted by UNF CIRT Teaching Online Seminar, May to August 2012 for redesigning a traditional course for distance learning delivery. Total amount received: $4000. Received stipend of $2000 and distance learning development budget up to $2000.

4. Contracted as 2012 UNF Community Scholar by UNF Center for Community-Based Learning. Community Scholar program starts on September 9 2012 and ends on May 27 2013. Stipend of $3000 will be provided as compensation for my services.

3. Contracted as Community-Based Transformational Learning (CBTL) Assessment Rater by UNF Center for Community-Based Learning, May 11 and 18, 2012. Received $500 stipend for my services.

2. Contracted by Florida Campus Compact as Course Redesign Facilitator at the "Bridging Community-Based Learning and STEM – Integrated Course Redesign for Effective Learning" workshop held on February 24 and 25, 2012 at University of North Florida. Received stipend of $500.

1. Contracted as 2011 Florida Campus Compact STEM Fellow. Received stipend of $1000 as a part of the fellowship award.

AWARDS AND HONORS

- 2012-2013 UNF Community Scholar
- 2012-2013 Florida Campus Compact STEM Certified Scholar
- Conference Best Paper Award received for 2012 Conference on Information Systems Applied Research (CONISAR) paper

- Recognized as one of the 2012 "Movers and Shakers" of the Northeast Florida by the Indo-US Chamber of Commerce of Northeast Florida for contributions to the entrepreneurial community
- Featured in the University of North Florida Center for Community-Based Learning video to promote service learning. http://www.youtube.com/watch?v=W3a3EEqaF0o
- 2010 ICIS Junior Faculty Consortium Fellow – MIS Camp, St Louis, MO, USA
- 2009 First S.T.A.R. (Award for Research Excellence), University of North Florida
- Meritorious Award received for 2008 Conference on Information Systems Applied Research (CONISAR) paper
- Inducted into Upsilon Pi Epsilon, Honor Society for the Computing and Information Disciplines (December 2008, through University of North Florida Chapter)

SOFTWARE ARTIFACTS

- CHORtoNET – converts Web Service Choreography (WS-CDL) specifications into Colored PetriNet (CPN) representations (Caliz, E. and Umapathy K., 2010).
- IDAssist (Integration Designer Assistant) – assists designers with selecting integration patterns and developing web service based systems integration solutions for a given business process (Umapathy K. and Purao S., 2008).
- Dimensional Engineering – provides guidance for metal casting designers with steel casting pattern allowance prediction (Umapathy K. and Voigt R., 2003).
- OperationsDB – converting assembly and machine operation reports from paper format into a computerized database (Umapathy, K., 1998).

PUBLICATIONS

Journals

11. Potti, P.K., Ahuja, S., **Umapathy, K.**, and Prodanoff, Z (2013). Comparing Performance of Web Service Interaction Styles: SOAP vs. REST. Journal of Information Systems Applied Research, vol. 6 (1), pp.: 4 – 26.

10. **Umapathy, K**., Purao, S., and Bagby, J.W. (2012). Empirical Analysis of Anticipatory Standardization Processes: A Case Study. Information Systems and e-Business Management (ISeB), vol. 10 (3), pp.: 325 – 350. Impact factor: 0.750 (2011).

9. Ritzhaupt, A.D., **Umapathy, K**, and Jamba, L. (2012). A Study on Services Motivating Computing Professional Association Membership. International Journal of Human Capital and Information Technology Professionals (IJHCITP), vol. 3 (1), pp.: 54 – 70.

8. **Umapathy, K**., & Purao, S. (2010). Systems Integration and Web Services. Computer, vol. 43(11), pp.: 91-94. Impact factor: 1.470 (2011).

7. **Umapathy, K.**, and Wallace, F.L. (2010). Role of Web Server in Capstone Course. Information Systems Education Journal, vol. 8 (62).

6. **Umapathy, K.**, Jamba, L., and Ritzhaupt, A.D. (2010). Factors that Persuade and Deter Membership in Professional Computing Associations. Journal of Information Systems Applied Research, vol. 3 (14).

5. Sánchez-Ruíz, A.J., **Umapathy, K.**, and Hayes, P (2009). An End-User-Oriented, Immersive, and Collaborative Initiative to Solve the Data Interoperability Problem. Journal of Computing Science and Engineering (JCSE), vol. 3(2), pp.: 127-141.

4. Ritzhaupt, A.D., **Umapathy, K.**, and Jamba, L. (2008). Computing Professional Association Membership: An Exploration of Membership Needs and Motivations. Journal of Information Systems Applied Research, vol. 1 (4).

3. **Umapathy, K**., Purao, S., and Barton, R.R (2008). Designing Enterprise Integration Solutions - Effectively. European Journal of Information Systems (EJIS), vol. 17(5), pp.: 518-528. Impact factor: 1.500 (2011).

2. **Umapathy, K**., and Purao, S. (2007). A Theoretical Investigation of the Emerging Standards for Web Services. Information Systems Frontiers (ISF), vol. 9(1), pp.: 119-134. Impact factor: 0.912 (2011).

1. Simpson, T., **Umapathy, K**., Nanda, J., Halbe, S., and Hodge, B. (2003). Development of a Framework for Web-Based Product Platform Customization. Journal of Computing and Information Science in Engineering, vol. 3(2), pp.: 119-129. Impact factor: 0.511 (2011).

Book Chapters

6. **Umapathy, K**. (2011, October). The Language-Action Approach: Information Systems Supporting Social Actions. In Information Systems Theory: Explaining and Predicting Our Digital Society, Vol. 2. Springer, New York. ISBN: 9781441997067.

5. Caliz, E., **Umapathy, K.**, Sanchez-Ruiz, A.J., and Elfayoumy, A.S. (2011, May). Analyzing Web Service Choreography Specifications Using Colored Petri Nets. Lecture Notes in Computer Science (LNCS): Service-Oriented Perspectives in Design Science Research, vol.: 6629, pp.: 412-426. Hemant Jain, Atish P. Sinha, and Padmal Vitharana (Eds.). Springer-Verlag, Berlin. ISBN: 978-3-642-20632-0.

4. **Umapathy, K**., Purao, S., and Bagby, J.W. (2011, January). Analyzing Processes behind Web Service Standards Development. Lecture Notes in Business Information Processing: Exploring the Grand Challenges for Next Generation E-Business, vol 52, pp.: 137-146. Raj Sharman, H. Raghav Rao and T. S. Raghu (Eds.). Springer-Verlag, Berlin. ISBN: 978-3642174483.

3. Sánchez-Ruíz, A.J., **Umapathy, K.**, Beckham, J. and Welsh, P. (2009, October). The Data Interoperability Problem as an Exemplary Case Study in the Development of Software Collaboration Environments. Collaborative Computing: Networking, Applications and Worksharing. Springer-Verlag, Berlin. ISBN: 978-3642033537. (This chapter was presented by Arturo Sanchez at the 2008 International Workshop on Collaboration and Cognition in Next Generation Networks (CoNGN)).

2. **Umapathy, K**. (2009, May). The Influences and Impacts of Societal factors on the

adoption of Web Services. Handbook of Research on Social Dimensions of Semantic Technologies and Web Services. Information Science Reference. ISBN: 978-1605666501.

1. **Umapathy, K**. (2009, May) Language-Action Perspective (LAP). Handbook of Research on Contemporary Theoretical Models in Information Systems. Information Science Reference. ISBN: 978-1605666594.

Conferences

15. Miller, B., Shrestha, A., Li, F., Derby, J., and Olive, J., and **Umapathy, K**. (2013). Digging into Human Rights Violations: Data Modeling Collective Memory. Proceedings of the IEEE Big Data: Workshop on Big Humanities, Santa Clara, CA, USA.

14. Miller, B., Li, F., Shrestha, A., and **Umapathy, K**. (2013). Digging into Human Rights Violations Phrase mining and trigram visualization. Proceedings of the Digital Humanities, Lincoln, Nebraska, USA.

13. **Umapathy, K.**, and Ritzhaupt, A.D. (2011). Role of Professional Associations in Preparing, Recruiting, and Retaining Computing Professionals. Proceedings of the ACM SIGMIS Computer Personnel Research (CPR) Conference, San Antonio, Texas, USA.

12. **Umapathy, K.** (2009). From Service Conversation Models to WS-CDL. Proceedings of the Americas Conference on Information Systems (AMCIS), San Francisco, California, USA.

11. Engberg, J.M., **Umapathy, K.**, and Wallace, F.L. (2009). Information Extraction From Different Data Representation Forms: Charts and Tables. Proceedings of the Southern Association for Information Systems (SAIS).

10. Purao, S., Bagby, J.W, and **Umapathy, K.** (2008). Standardizing Web Services: Overcoming 'Design by Committee'. Proceedings of the IEEE Congress of Services Conference.

9. **Umapathy, K.** and Purao, S. (2008). Representing and Accessing Design Knowledge for Service Integration. Proceedings of the IEEE International Conference on Services Computing (SCC) (Acceptance Rate: 18%).

8. **Umapathy, K**., and Purao, S. (2007). Exploring Alternatives for Representing and Accessing Design Knowledge about Enterprise Integration. Proceedings of the International Conference on Conceptual Modeling (ER) (Acceptance Rate: 22.2%).

7. **Umapathy, K.** and Purao, S. (2007). Towards A Theoretical Foundation for Web Services – The Language-Action Perspective (LAP) Approach. Proceedings of the IEEE International Conference on Services Computing (SCC) (Acceptance Rate: 20%).

6. **Umapathy, K**. (2007). Towards Co-Design of Business Process and Information Systems Using Web Services. Proceedings of the Hawaii International Conference on System Sciences (HICSS).

5. **Umapathy, K**., and Purao, S. (2006). Designing Enterprise Solutions with Web Services and Integration Patterns. Proceedings of the IEEE International Conference on Services Computing (SCC).

4. Xiao, L., Huang, H., and **Umapathy, K**. (2005). A Case Study: Information and Communication Technologies Adoption in Higher Education in China and India. Proceedings of the Americas Conference on Information Systems (AMCIS).

3. Fan, X., **Umapathy, K**., Yen, J., and Purao, S. (2004). An Agent-Based Approach for Interleaved Composition and Execution of Web Services. Proceedings of the International Conference on Conceptual Modeling (ER) (Acceptance Rate: 19.5%).

2. Fan, X., **Umapathy, K**., Yen, J., and Purao, S. (2004). Team-based Agents for Proactive Failure Handling in Dynamic Composition of Web Services. Proceedings of the IEEE International Conference on Web Services (ICWS) (Acceptance Rate: 28.7%).

1. **Umapathy, K**., and Purao, S. (2004). Service-Oriented Computing: An Opportunity for the Language-Action Perspective? Proceedings of the International Working Conference on the Language-Action Perspective on Communication Modelling (LAP).

Workshops

5. **Umapathy, K.** (2010). Requirements to support Collaborative Sensemaking. Proceedings of the International Workshop on Collaborative Information Seeking, Savannah, Georgia, USA.

4. **Umapathy, K.** (2009). An Investigation of W3C Standardization Processes Using Rational Discourse. Proceedings of the AIS Special Interest Group on Pragmatist IS Research (SIGPrag) meeting, Phoenix, USA.

3. Sánchez-Ruíz, A.J., **Umapathy, K.**, and Hayes, P (2008).Toward Generic, Immersive, and Collaborative Solutions to the Data Interoperability Problem which Target End-Users. Proceedings of the International workshop on Ontologies and Information Systems for the Semantic Web (ONISW). Accepted as Position Paper.

2. **Umapathy, K**. (2006). Assessment of Web Services Specifications to Support Long-Running Conversations. Proceedings of the Workshop on Information Technologies and Systems (WITS). http://ssrn.com/abstract=1025493

1. **Umapathy, K**., Purao, S., and Sugumaran, V. (2003). Facilitating Conversations among Web Services as Speech-act based Discourses. Proceedings of the Workshop on Information Technologies and Systems.

Doctoral Consortium

2. **Umapathy, K**. (2007). A Study of Language-Action Perspective as a Theoretical Framework for Web Services. Proceedings of the IEEE Congress on Services (Ph.D. Symposium on Service Computing).

1. **Umapathy, K**. (2006). A Study of Language-Action Perspective as a Theoretical Framework for Web Services. Proceedings of the International Ph.D. Symposium on Service-Oriented Computing.

Posters/ Book Reviews

4. Huang, H., and **Umapathy, K**. (2007). Review of ICTs and Indian Economic

Development: Economy, Work, Regulation. Information Technology and People (ITP), vol 20 (3), pp.: 304-305.

3. **Umapathy, K**. and Purao, S. (2006). Designing Under the Influence of Speech-Acts-based Enterprise Integration Patterns. Presented as Demo/Poster at the International Conference on Conceptual Modeling (ER).

2. **Umapathy, K**. (2006). Review of Business Process Management Systems: Strategy and Implementation. Information Technology and People (ITP), vol 19 (2), pp.: 188-189.

1. **Umapathy, K**., Huang, H. & Xiao, L. (2005). A Case Study: Information and Communication Technologies Adoption in Higher Education in China and India. Presented as Poster in the Twentieth Annual Graduate Exhibition, held at the Pennsylvania State University.

Reports (not peer-reviewed)

2. Ritzhaupt, A.D., **Umapathy, K.**, and Jamba, L. (2008). An Investigation of the AITP Membership Using the Ideal Computing Association Survey. Association of Information Technology Professionals (AITP).

1. Mitra, P., Purao, S., Bagby, J.W., **Umapathy, K**., and Paul, S. A. (2005). An Empirical Analysis of Development Processes for Anticipatory Standards. NET Institute Working Paper No. 05-18. Available at SSRN: http://ssrn.com/abstract=850524.

Miscellaneous (not peer-reviewed)

2. Umapathy, K. (2013). NSF funded research project: Digging into Human Rights Violations. Invited poster presentation at UNF CCEC Dean Council, April 2, 2013.

1. **Umapathy, K**. (2007). Language action perspective. Theories Used in IS Research Wiki. http://istheory.byu.edu/wiki/Language_action_perspective

PRESENTATIONS

Invited Talks/ Panels

5. How are Web Standards Designed and what Avatars got to do with it? Invited talk on March 1 2013 at the UNF CCEC Research Colloquium Series.

4. Digging into Human Rights Violation: What We Know and What We Don't. Invited panel member. June 19, 2012 at the Faculty of Information & Media Studies, Western University, London, Canada.

3. Web of Web Things. Invited Speaker for Joe Berg Seminars of Jacksonville. February 21, 2012 at the Museum of Science and History, Jacksonville, FL.

2. So you want to get your PhD. Panel discussant for encouraging Undergraduate students to pursue doctoral studies. October 20, 2011 at the UNF Honors Program.

1. How to collaborate globally with web services. Presented in Panel Discussion: Socio-

Economic Implications of ICTs at the First Interdisciplinary IST Graduate Symposium, held at the Pennsylvania State University.

Conference/Workshop Presentations

16. Comparing Performance of Web Service Interaction Styles: SOAP vs. REST. Proceedings of the Conference on Information Systems Applied Research (CONISAR), New Orleans, Louisiana, USA. November 1 – 4, 2012. **Won Conference Best Paper Award**.

15. Role of Professional Associations in Preparing, Recruiting, and Retaining Computing Professionals. Presented at the ACM SIGMIS Computer Personnel Research (CPR) Conference, San Antonio, Texas, USA. May 20-21, 2011.

14. Analyzing Web Service Choreography Specifications Using Colored Petri Nets. Presented at the Sixth International Conference on Design Science Research in Information Systems and Technology (DESRIST), Milwaukee, WI, USA. May 5-6, 2011.

13. Requirements to support Collaborative Sensemaking. Presented at the 2010 International Workshop on Collaborative Information Seeking, Savannah, USA.

12. Analyzing Processes behind Web Service Standards Development. Presented at the Eight Workshop on eBusiness, Phoenix, USA. December 15, 2009.

11. An Investigation of W3C Standardization Processes Using Rational Discourse. Presented at the 2009 AIS Special Interest Group on Pragmatist IS Research (SIGPrag) meeting, Phoenix, USA.

10. Factors that Persuade and Deter Membership in Professional Computing Associations. Presented at the 2009 Conference on Information Systems Applied Research (CONISAR), Washington DC, USA.

9. From Service Conversation Models to WS-CDL. Presented at the 2009 Americas Conference on Information Systems (AMCIS), San Francisco, USA.

8. Computing Professional Association Membership: An Exploration of Membership Needs and Motivations. Presented at the 2008 Conference on Information Systems Applied Research (CONISAR), Phoenix, USA. **Meritorious Award Winning Paper**.

7. Designing Enterprise Integration Solutions - Effectively. Presented at the 2008 International Conference on Design Science Research in Information Systems and Technology (DESRIST), Atlanta, USA. **Nominated for Best Paper Award.**

6. Towards A Theoretical Foundation for Web Services – The Language-Action Perspective (LAP) Approach. Presented at the 2007 IEEE International Conference on Services Computing (SCC), Salt Lake City, USA.

5. A Study of Language-Action Perspective as a Theoretical Framework for Web Services. Presented at the 2007 IEEE Congress on Services (Ph.D. Symposium on Service Computing), Salt Lake City, USA.

4. Towards Co-Design of Business Process and Information Systems Using Web Services. Presented at the 2007 Hawaii International Conference on System Sciences (HICSS), Big Island, USA.

3. Assessment of Web Services Specifications to Support Long-Running Conversations. Presented at the 2006 Workshop on Information Technologies and Systems (WITS), Milwaukee, USA.

2. A Study of Language-Action Perspective as a Theoretical Framework for Web Services. Presented at the 2006 International Ph.D. Symposium on Service-Oriented Computing, Chicago, USA.

1. Designing Enterprise Solutions with Web Services and Integration Patterns. Presented at the 2006 IEEE International Conference on Services Computing (SCC), Chicago, USA.

TEACHING

University of North Florida

Undergraduate Courses

- Introduction to Object Oriented Programming with Java (COP 2551) – Fall 2007, Spring 2008, Fall 2008, Fall 2009, Fall 2010, Fall 2013
- Information Processing: Requirements Identification and Specification (CGS 4308) – Spring 2008, 2009, 2010, 2013, 2014
- Web Access and Systems Design (COP 3855) - Fall 2008, Spring 2009, Fall 2009, Fall 2010, Spring 2011, Fall 2011, Fall 2012, Fall 2013
- Information Systems Senior Project I (CIS 4327) – Fall 2009, 2010, 2011, 2012, 2013
- Information Systems Senior Project II (CIS 4328) – Spring 2010, 2011, 2012, 2013, 2014
- Expert Systems and Decision Support (CIS 4510) – Summer 2009, 2011, Fall 2012, Summer 2013 (Online)
- Introduction to Artificial Intelligence (CAP 4630) – Summer 2009
- Introduction to Visual and Procedural Programming (COP 2010) – Fall 2011
- Gaming and Mobile Apps Capstone I (CIS 4593) – Fall 2011, 2013
- Gaming and Mobile Apps Capstone II (CIS 4594) – Spring 2012, 2014
- Systems Integration (CEN 4801) – Spring 2012
- TLO: Website & App Development for Community – Spring 2014

Graduate Courses

- Introduction to Artificial Intelligence (CAP 5605) – Summer 2009
- Systems Integration (CEN 5805) – Spring 2012

Directed Independent Studies

- Doaa H. Gamal – Business Intelligence and Big Data with focus on Network Mining – Fall 2013
- James Bradley Hamilton - Twitter Data Mining: insight into the #ows and #anonymous communities - Spring 2013
- Brian Castaneda – Symposium Voting Tracker System – Spring 2013

- Anusha Srialluri – TLO Project: Website for Legal Rescue – Summer 2012
- Chirag Rana – Comparative Report on Service Choreography and Coordination Standard Specifications – Summer 2012
- Randall Grice – Cloud Computing and Grid Services – Summer 2012
- Thomas John - Applications and uses of the National Transit Dataset with Florida Transit Information System – Spring 2012
- Evan Sharp - Computer Generated Environments In Gaming – Spring 2012

DISSERTATION/ THESIS COMMITTEES

M.S Thesis Chair

1. **Enrique Caliz** (Spring 2010). Analysis of WS-CDL Specifications using Colored Petri Nets. M.S. Computer and Information Sciences, University of North Florida.

M.S Thesis Committee Member

2. **Jim Littleton** (Spring 2012). ColorDots: An Intersection Analysis Resistant Graphical Password Scheme for the Prevention of Shoulder-surfing Attack. M.S. Computer and Information Sciences, University of North Florida.

1. **Pavan Kumar Potti** (Spring 2011). On The Design Web Services: SOAP vs. REST. M.S. Computer and Information Sciences, University of North Florida.

SERVICE

Professional

- Publicity Chair for International Conference on Design Science Research in Information Systems and Technology (DESRIST) 2009, 2010, 2011
- Editorial Board member
  - Information Systems Education Journal (ISEDJ), since 2009
  - Journal of Information Systems Applied Research (JISAR), since 2012
  - Journal of Database Management (JDM) 2008, Special Issue on Service-oriented Computing
- Program Committee member for
  - ACM SIGMIS Computer Personnel Research (CPR) Conference 2011, 2012
  - Design Science Research in Information Systems and Technology (DESRIST) 2009
  - IEEE Service Computing Conference (SCC) 2008, 2010, 2011, 2012, 2013
  - International Conference on Service Oriented Computing (ICSOC) 2006, 2007
  - ACM Symposium on Applied Computing (SCM), Special track on Middleware Engineering 2008
  - IEEE International Workshop on Middleware Engineering (ME) 2009, 2010, 2011
- Grant proposal reviewer for
  - Research Tools and Instruments Grants Program, Natural Sciences and Engineering Research Council of Canada, 2012
- Associate Editor for

- o   International Conference on Information Systems (ICIS) 2012
- o   European Conference on Information Systems (ECIS) 2013
- Reviewer for
  - o   MIS Quarterly 2009, 2010, 2011
  - o   Journal of the Association for Information Systems 2010
  - o   The DATA BASE for Advances in Information Systems 2009
  - o   AIS Transactions on Human-Computer Interaction 2010
  - o   Journal of Database Management (JDM) 2007
  - o   Software and Systems Modeling 2011
  - o   International Journal of Information Technology and Management (IJITM) 2005
  - o   International Conference on Information Systems (ICIS) 2004, 2007, 2008, 2009, 2010, 2013
  - o   IEEE Service Computing Conference (SCC) 2005, 2007
  - o   Americas Conference on Information Systems (AMCIS) 2008, 2009, 2010, 2011
  - o   Design Science Research in Information Systems and Technology (DESRIST) 2011
  - o   Hawaii International Conference on System Sciences (HICSS) 2008
  - o   European Conference on Information Systems (ECIS) 2011
  - o   IEEE/IFIP International Conference on Dependable Systems and Networks, for the Dependable Computing and Communication Symposium (DCCS) track 2006
  - o   Information Systems Frontier 2011
  - o   IEEE Transactions on Service Computing (TSC) 2012, 2014
  - o   Pacific Asia Conference on Information Systems (PACIS) 2012
  - o   ACM SIGMIS Computer Personnel Research (CPR) Conference 2013
  - o   Information Systems and e-Business Management (ISeB) 2013
- Session Chair
  - o   2011 ACM SIGMIS Computer Personnel Research (CPR), Session: IT Workforce Management II
  - o   2009 International Conference on Design Science Research in Information Systems and Technology (DESRIST), Session: Domain-Specific Design Research
  - o   2009 Workshop for e-Business, Session: Web Services & Architecture
  - o   2007 IEEE Service Computing Conference (SCC), Session: Research Session 10

University

- Department level
  - o   Chair of SoC Symposium Committee, January 2011 – Present
  - o   Chair of Assessment Committee, January 2013 – Present
  - o   Search Committee, August 2010 – August 2011, August 2012 - Present
  - o   Scholarship Selection Committee, May 2012 - Present
  - o   Graduate Program Committee, August 2010 – Present
  - o   Chair of Computing Resources Committee, January – August 2009
  - o   Computing Resources Committee, January 2009 – August 2010
  - o   School of Computing Curriculum Committee, August 2009 – August 2010
  - o   School of Computing Director Advisory Committee, January – August 2009
- College level
  - o   CCEC Selection Committee for Outstanding Graduate Teaching Award, August 2010 – December 2010, August 2011 – January 2012, August 2012 – December 2012

- o CCEC Selection Committee for Outstanding Undergraduate Teaching Award, August 2011 – January 2012
- University level
  - o Undergraduate Studies Council, August 2012 – Present
  - o University Campus Technology Committee, October 2013 - Present
  - o Adjuncts Affair Committee, August 2009 – August 2013
  - o Space Committee, August 2012 – August 2013
  - o Outstanding Faculty Service Award Selection Committee, January – May 2012
  - o Research Committee, August 2008 – August 2010

PROFESSIONAL AFFILIATIONS

- Member of Association of Information Systems (AIS), since 2003.
- Member of Institute of Electrical and Electronics Engineers (IEEE), since 2005.
- Member of Association of Information Technology Professionals, since 2008.
- Member of Education Special Interest Group of Association of Information Technology Professionals (AITP), since 2008.
- Member of Association for Computing Machinery (ACM), since 2010.
- Member of IEEE Computer Society, since 2011.