

# Suranjan Chakraborty

## *Curriculum Vitae*

---

Department of Computer and Information Sciences  
Towson University  
8000 York Road  
Towson, MD 21252-0001  
Work (410) 704-4769  
Mobile (509) 432-9248 (preferred)  
<mailto:suranjan.chakraborty@gmail.com>

## **Summary/Highlights**

---

### **Research**

- Primary research interests: Requirements engineering, Information Systems Development/Software Engineering, Applied Machine Learning, distributed (Virtual) IS development teams, Qualitative Research methods.
- Published in top tier Information Systems (IS) Journals that are included in ABS journal list, and the AIS Basket of Six journals.
- Published in highly rated software engineering conferences
- Received federal research grant (DOJ) for a combined amount of \$882,700
- Received three competitive internally funded research grants for combined amount of \$97,173.
- Received Excellence in Scholarship award from Fisher College of Science and Mathematics, Towson University (2016)

### **Teaching**

- Diverse teaching experience within the IS curriculum including E-commerce, Human Computer Interactions, Cloud Computing, Systems Analysis and Design.
- Served as advisor (dissertation/project chair) to doctoral and masters students.
- Developed new courses for the graduate and the undergraduate program.
- Received externally funded curriculum development grants for a combined amount of \$ 499,644.

### **Service to the discipline**

- Senior Editor - IJSSM
- Associate Editor, *Journal of AIS*, 2019 - 2024
- Editorial Board member, *Journal of AIS*, 2016 - 2019
- Guest Associate Editor, *BISE*, 2024
- Guest Associate Editor, *Journal of AIS* special issue on qualitative methods
- Guest Member Editorial Board, *Journal of AIS* special issue on Bright Horizons in ICTs
- Guest Associate Editor, *Information Systems Journal*, Special Issue on Digitization in Business Models and Entrepreneurship
- Editorial Board Member, *JITCAR*, 2010 - 2022

- Mini-track Chair, Americas Conference for Information Systems (2017)
- Track chair, *IS and Positive Organizational research*, European Conference for Information Systems (2016)
- Associate Editor, International Conference on Information Systems (ICIS) (2015,2016, 2018, 2019,2024,2025)
- Associate Editor, European Conference for Information Systems (2019, 2020,2021, 2022, 2023,2025)

#### **Leadership/Administrative experience**

- Serving Director School of Emerging Technologies, Fisher College of Science and Mathematics, 2021 - present
- Graduate Director for the MS in [Applied Information Technology](#) Program
  - This is one of the largest graduate programs in Towson with current active enrollment strength of 267 students (2014 - 2021)
- Chairperson, [College Council](#), Jess and Mildred Fisher College of Science and Mathematics (2015-2016)
  - This is an advisory body that assists the Dean in the governance of the college
- Selected for the 2016 President's Leadership Program for Associate Professor
  - This is a prestigious program within the University designed to identify and groom potential university leaders
- Led the departmental initiative to redesign and implement a new IS undergraduate curriculum.

#### **Industrial Experience**

- 7 years in Wipro Technologies in both technical and managerial roles.
- Experience in virtual team settings both at offshore and at client site (UK).

## **Education**

---

Ph.D.	August 2008	<b>Washington State University</b> Pullman, Washington  <i>Major:</i> Information Systems <i>Chair:</i> Dr. Joseph S. Valacich <i>Title:</i> Exploring the Effectiveness of the Requirements Elicitation Process during Information Systems Development: A multi-perspective approach 2004-2008
M.S.	May 2001	<b>Birla Institute of Technology and Science</b> Pilani, India Master of Science in Software Engineering 1998-2001
B.Sc.	August 1997	<b>Calcutta University</b> <b>(Presidency College)</b> Calcutta, India

Bachelor of Science (Honors) in Physics  
1994-1997

## **Professional Experience/Appointments**

---

- Director, School of Emerging Technologies
- Acting Graduate Program Director, MS in Computer Science, Towson, 2019
- Graduate Program Director, MS in Applied Information Technology, Towson, 2014 - 2021
- Professor, Towson University, 2019 -
- Associate Professor (tenured), Towson University, 2014 - 2019
- Assistant Professor, Towson University, 2008 – 2014
- Software Engineer, Wipro Technologies 1997 – 2004 (*Roles: Project Manager, Systems Analyst, Applications Developer*)

## **Research Interests**

---

- Requirements Engineering in Information Systems Development (ISD)
- Systems Analyst Effectiveness
- Distributed Team work in Information Systems Development
- Qualitative Research Methods
- Positive Organizational Scholarship
- Human-Computer Interfaces (HCI)

## **Teaching Interests/Experience**

---

- Requirements Engineering
- Cloud Computing
- E-Commerce
- HCI

## **Research**

---

### **Peer Reviewed Journal Publications (in chronological order)**

1. Chatterjee, S., **Chakraborty, S.**, Fulk, K., & Lowry, P. B. (2024). The Role of Dissonant Relational Multiplexity in Information System Implementation Failures. *Journal of the Association for Information Systems (JAIS)*, *Forthcoming*.
2. Chatterjee, S., D Moody, G., Lowry, P. B., **Chakraborty, S.**, & Hardin, A. (2021). The nonlinear influence of harmonious information technology affordance on organizational innovation. *Information Systems Journal*, 31(2), 294-322.
3. Chatterjee, S., **Chakraborty, S.**, Fulk, H. K., & Sarker, S. (2021). Building a compassionate workplace using information technology: Considerations for

- information systems research. *International Journal of Information Management*, 56, 102261.
4. Chatterjee, S., Moody, G., Lowry, P. B., **Chakraborty, S.**, & Hardin, A. (2020). Information Technology and organizational innovation: Harmonious information technology affordance and courage-based actualization. *The Journal of Strategic Information Systems*, 101596.
  5. Chakraborty, J., **Chakraborty, S.**, Dehlinger, J., & Hritz, J. (2017). Designing video games for the blind: results of an empirical study. *Universal Access in the Information Society*, 16(3), 809-818.
  6. Matheus, T, Saunders, M.N.K. and **Chakraborty, S.** (2016), Multiple Dimensions of Power Influencing Knowledge Integration in Supply chains, *R&D Management Journal*.
  7. Chatterjee, S., Moody, G., Lowry, P. **Chakraborty, S.**, and Hardin, A. (2015) Strategic Relevance of Organizational Virtues Enabled By Information Technology in Organizational Innovation. *Journal of Management Information Systems*, 32(3) 158-196. (ABS2015 rating: 4)
  8. **Chakraborty, S.**, Rosenkranz, C., and Dehlinger, J. (2015) Getting to the Shalls: Facilitating Sensemaking in Requirements Engineering [\*ACM Transactions on Management Information Systems \(TMIS\)\*](#), 5(3), Article 14, 1-30.
  9. Sarker, S., **Chakraborty, S.**, Tansuhaj, P., Mulder, M, and Dogerlogliou-Demir, (2013) The “Mail-Order-Bride”(MOB) Phenomenon in the Cyberworld, [\*ACM Transactions on Management Information Systems \(TMIS\)\*](#), 4(3), Article 10, 1 - 36
  10. Lazar, J., **Chakraborty, S.** , Carroll, D., Weir R., Sizemore, B. and Henderson , H. (2013) Development and Evaluation of two Prototypes for Providing Weather Map Data to Blind Users Through Sonification, [\*Journal of Usability Studies\*](#), 8(4), 93 - 110
  11. Sarker, S., Kirkeby, S., Sarker, S. and **Chakraborty, S.** (2011) Road to “Stardom” in Globally Distributed Teams: An Examination of a Knowledge-centered Perspective using Social Network Analysis, *Decision Sciences Journal*, 42(2), 339-370 (ABS2015 Rating: 3)
  12. **Chakraborty, S.**, Sarker, S., Rai, S., S., Sarker, S. and Ranganadhan, N.S. (2011) Agility in Software Vendor’s Software Development Team Configurations: Some Preliminary Observations, *Journal of Global Information Management*, 19(3), 1 -2 9 (ABS2015 Rating: 2)
  13. Meiselwitz, G. and **Chakraborty, S.** (2011) Exploring the connection between age and strategies for learning new technology related tasks, [\*Information Systems Education Journal\*](#) 9(4), 55 (This was among the top 30 percent articles at ISECON conference and was automatically accepted at ISEJ)

14. **Chakraborty, S.**, Sarker, S. and Sarker, S. (2010) An Exploration into the Process of Requirements Elicitation: A Grounded Approach, *Journal of the Association for Information Systems*, 9(4), 212-249. (ABS2015 Rating: 4)
  - This article was one of the top 10 most downloaded papers of JAIS for the period 04/30/2010 – 12/31/2010.
15. Wright, R., **Chakraborty, S.**, Basoglu, A. and Marett, K. (2010) Where Did They Go Right? Understanding The Deception In Phishing Communications, *Group Decision and Negotiation*, 19, 391 – 416 (ABS2015 Rating: 2)
16. Sarker, S., Munson, C., Sarker, S. and **Chakraborty, S.** (2009) Assessing the Relative Contribution of the Facets of Agility in Distributed ISD Success: An Analytic Hierarchy Process Approach, *European Journal of Information Systems*, 18(4), 285-299 (ABS2015 Rating: 3)
17. Chatterjee, S., **Chakraborty, S.**, Sarker, S., Sarker, S. and Lau, F. (Equal Authorship) (2009) Examining the Success Factors for Mobile Work in Healthcare: A Deductive study, *Decision Support Systems*, 46(3), 620 – 633. (ABS2015 Rating: 3)

### **Peer Reviewed Book Chapters**

1. Weir, R., Sizemore, B., Henderson, H., **Chakraborty, S.**, and J. Lazar, (2012). Development and Evaluation of Sonified Weather Maps for Blind Users. In *Designing Inclusive Systems: Designing Inclusion for Real-world Applications*, P. Langdon, J. Clarkson, P. Robinson, J. Lazar, and A. Heylighen, (Eds.) Springer-Verlag, London.
2. Sarker, S., Munson, C., Sarker, S. and **Chakraborty, S.** (2010) Contribution of Agility to Successful Distributed Software Development. In *Agility across Time and Space*, D. Smite, Moe, N.B., and Agerfalk, P. (Eds), Springer-Verlag, Berlin.

### **Peer Reviewed Conference Proceedings**

1. Zhou, H.\*\* , Nguyen, P.D., Deng, L., Dehlinger, J., **Chakraborty, S.** "Reconstructing Android User Behavior through Timestamped State Models". Accepted IEEE Computers, Software, and Applications Conference (COMPSAC 2023)
2. Li, J., Pugh, S.\*\* , Zhou, H.\*\* , Deng, L., Dehlinger, J., **Chakraborty, S.** Experimental Evaluation of Adversarial Attacks Against Natural Language Machine Learning Models. In *Proceedings of 21st IEEE/ACIS International Conference on Software Engineering Research, Management and Applications (SERA 2023)*, May 2023, Orlando, FL.

3. Baker, C., Deng,L., **Chakraborty,S.**, and Dehlinger, J.(2019) "Automatic Multi-class Non-Functional Software Requirements Classification Using Neural Networks." In 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC), vol. 2, pp. 610-615. IEEE, 2019.
4. Afsana, A., **Chakraborty, S.**, Kaza, S., and Chatterjee, S. (2015) Preparing Industry-Ready Analysts in the classroom: A module injection approach, *in the Proceedings of the Twenty first Americas Conference on Information Systems*, Puerto Rico.
5. Al-Sekait, D., **Chakraborty, S.**, and Chatterjee, S. (2015) Investigating Systems development processes in Healthcare Organizations, *in the Proceedings of the Twenty first Americas Conference on Information Systems*, Puerto Rico.
6. Al-Sekait, D., & **Chakraborty, S.** (2015). A Practice Based Examination of Standardization, and its Relationship with the Design and Use of Healthcare IS. In Proceedings of the Conference on Information Systems Applied Research ISSN (Vol. 2167, p. 1508)
7. **Chakraborty, S.**, Dehlinger, J., and Rosenkranz, C. (2012) A Grounded Theoretical and Linguistic Analysis Approach for Non Functional Requirements Analysis, *in the Proceedings of the 33rd International Conference on Information Systems*, Orlando, Florida.
8. Hasan, R, **Chakraborty, S.** and **Chatterjee, S.** (2012) The Critical Role of Political Processes in Small Organizations' Software Maintenance Efforts, *in the Proceedings of the Eighteenth Americas Conference on Information Systems*, Seattle, Washington
9. Chatterjee, S. , **Chakraborty, S.**, and Sarker , S. (2011) The Strategic Relevance of IT-enabled Organizational Virtues, *in the proceedings of the 32nd International Conference on Information Systems* , Shanghai, China
10. Hasan, R, **S. Chakraborty**, and Dehlinger, J. (2011) Examining Software Maintenance Processes in Small Organizations: Findings from a Case Study, *in Software Engineering Research, Management and Applications 2011*, Studies in Computational Intelligence, Vol. 377, Springer Berlin Heidelberg, 129-143
11. Mezzonotte Sr. D., Dehlinger, J., and **Chakraborty, S.** (2011). Applying the Theory of Structuration in Enterprise Architecture Design. *in Proceedings of the 11th International Conference on Software Engineering Research and Practice*, Las Vegas, Nevada.
12. Hasan, R and **Chakraborty, S** (2011) Investigating Software Maintenance Challenges in Small Organizations, *in Proceedings of the 17<sup>th</sup> Americas Conference on Information Systems*, Detroit, Michigan
13. Rai, S., **Chakraborty, S.** and Sarker, S. (2010) Understanding the Role of Inference in the Requirements Elicitation Process During Information Systems Development, *in the Proceedings of the 31st international conference on Information Systems* , St. Louis, Missouri

14. **Chakraborty, S** and Sarker, S. (2007) Experiential Learning for the “Future” Systems Analysts: Effective Use of Role-Play in the classroom, *in the Proceedings of the 22nd annual AIS SIG-ED conference*, Montreal, Canada
15. **Chakraborty, S.**, Sarker, S. and Valacich, J. (2007) Understanding Analyst Effectiveness in Requirements Elicitation: A Gestalt Fit Perspective, *in the Proceedings of the 15<sup>th</sup> European Conference on Information Systems*, St Gallen, Switzerland.
16. Chatterjee, S. and **Chakraborty, S.** (2006) A Scientific Visualization Approach to Effective Website Design, *in the Proceedings of 12<sup>th</sup> America’s Conference on Information Systems*, Acapulco, Mexico.
17. Sarker, S., Kirkeby, S., **Chakraborty, S.** and Sarker, S. (2006) Road to “Stardom” in Globally Distributed Teams: An Examination of a Knowledge-centered Perspective using Social Network Analysis, *in Proceedings of the 40<sup>th</sup> annual Hawaii International Conference on System Sciences*, Kona, Hawaii, USA.
18. **Chakraborty, S.** and Sarker, S. (2005) Knowledge Transfer through User-Analyst Collaboration in Requirements Elicitation, *in Proceedings of 11<sup>th</sup> America’s Conference on Information Systems*, Omaha, Nebraska, USA.

#### **Peer-Reviewed Workshop Papers**

1. Molina-Morales, J.\*\*, Deng, L., Dehlinger, J., **Chakraborty, S.** Mutant-Kraken: A Mutation Testing Tool for Kotlin. In Proceedings of 19th International Workshop on Mutation Analysis (Mutation 2024), May 2024, Toronto, Canada
2. Peacock, S., Deng, L., Dehlinger, J., **Chakraborty, S.** Automatic Equivalent Mutants Classification Using Abstract Syntax Tree Neural Networks. In Proceedings IEEE International Conference on Software Testing, Verification and Validation Workshops (ICSTW), 2021, pp. 13-18, doi: 10.1109/ICSTW52544.2021.00016.
3. Gnanasekaran, R.K., **Chakraborty, S.**, Dehlinger, J., Deng, L. Using Recurrent Neural Networks for Classification of Natural Language-based Non-functional Requirements. In Joint Proceedings of REFSQ-2021 Workshops, OpenRE, Posters and Tools Track, and Doctoral Symposium, Virtual, April 12, 2021.
4. Partenza, G., Amburgey, T., Deng, L., Dehlinger, J., **Chakraborty, S.** Automatic Identification of Vulnerable Code: Investigations with an AST-Based Neural Network. To appear: AIML 2021: Advances in Artificial Intelligence & Machine Learning: Applications, Challenges & Concerns, Virtual, July 12, 2021.
5. **Chakraborty, S.**, Deng, L., Dehlinger, J. Towards Authentic Undergraduate Research Experiences in Software Engineering and Machine Learning. In Proceedings of the 3rd International Workshop on Education through Advanced Software Engineering and Artificial Intelligence (EASEAI 2021), 2021, pp. 54-57, doi: 10.1145/3472673.3473966.

6. Deng, L., Dehlinger, J., and **Chakraborty, S.** Teaching Software Testing with Free and Open Source Software. 1st International Software Testing Education Workshop (TestEd), October 28, 2020, Porto, Portugal.
7. Saccente, N., Dehlinger, J., Deng, L., **Chakraborty, S.**, and Xiong, Y. (2019). Project Achilles: A Prototype Tool for Static Method-Level Vulnerability Detection of Java Source Code Using a Recurrent Neural Network. In Proceedings of the 1st International Workshop on Software Engineering Intelligence (SEI 2019), November 2019, San Diego, CA, USA.
8. **Chakraborty, S.**, Dehlinger, J., and Rosenkranz, C. (2016) “Understanding the Forest by Looking at the Trees: A Computationally-Guided Approach to Grounded Theory Method”, *JAIS special issue workshop, International conference for Information System*, 2016
9. Al-Sekait, D and **Chakraborty (2015), S.**, Exploring the Concept of Behavioral Design Standards in the Context of Healthcare IS: A Functional Affordance-based perspective, *JAIS Theory Development Workshop, in ICIS (2015)*.
10. Rosenkranz, C., **Chakraborty, S.**, and Dehlinger, J. (2012) Getting to the Shalls: Facilitating Sense-Making in Requirements Engineering. *In Dagstuhl Seminar 12442 on Requirements Management – Novel Perspectives and Challenges, Dagstuhl, Germany.* (Invited)
11. Mezzonotte, D., Dehlinger, J., and **Chakraborty, S.** (2010). On Applying the Theory of Structuration in Enterprise Architecture Design, *in the proceedings of the 9th IEEE/ACIS International Conference on Computer and Information Science* (peer reviewed)
12. **Chakraborty, S** and Dehlinger, J. (2009) Applying the Grounded Theory Methodology to Derive Enterprise System Requirements *in proceedings of the 10th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing*, Daegu, Korea. (peer reviewed)

### **Peer Reviewed Extended Abstracts**

1. **Chakraborty, S.**, Carroll, D., and Lazar J. (2013) Designing Accessible Visualizations: The case of designing a weather map for blind users, *in the proceedings of the 15th International conference on Human Computer Interaction*, Las Vegas, Nevada
2. **Chakraborty, S**, Kaza, S and Taylor, B (2009) Preparing Industry- ready Analysts: A module injection approach, *in the proceedings of 24<sup>th</sup> Annual IAIM-SIGED conference*, Phoenix, Arizona,

### **Invited Presentations**

1. **Chakraborty, S.** (2019), Through the Looking Glass: An Exploratory Study of Co-use of Machine Learning and Qualitative Analysis methods



2. **Chakraborty, S.** (2013) Getting to the Shalls: Facilitating Sensemaking in Requirements Engineering, *invited talk at 7th International workshop on Grounded Theory in Information Systems Research*, Milan Italy.
3. **Chakraborty, S.** (2012) “How Grounded was my Grounded Theory: Perspectives from the review process.” Invited talk at 6th International workshop on Grounded Theory in Information Systems Research, Orlando Florida.
4. **Chakraborty, S** (2012) “Examining the MOB phenomenon: A Grounded Theoretical Approach” invited talk at the Department of Management, Information Systems and Entrepreneurship, Washington State University
5. **Chakraborty, S** (2011) “An exploration into the Requirements Elicitation Process: A Grounded Theoretical Approach” invited talk at the Chair of Information Systems Engineering, Goethe University, Germany on March 24.

### **Other Presentations/Activities**

1. Co-Chair, SIGGTM annual international workshop on GTM (2022,2023)
2. *Chair*, Grounded Theory Methodology Clinic, *Americas Conference for Information Systems (AMCIS)*, 2017, Boston.
3. **Chakraborty, S** (2007) Understanding Analyst Effectiveness in Requirements Elicitation: A Gestalt Fit Perspective. Presented at Department of Information System Brown Bag, Washington State University.
4. **Chakraborty, S** (2006) Unearthing the Process of Requirements Elicitation: A Grounded Theoretical Approach. Presented at Department of Information System Brown Bag, Washington State University
5. **Chakraborty, S** (2005) Knowledge Transfer through User-Analyst Collaboration in Requirements Elicitation, Poster Study, WSU Showcase

## **Grants**

---

### **External Funded Grants**

1. Co-PI with Xu, W., de la Cruz, M., Deng, L., and Dehlinger, J. Developing a Cloud-Based Cyber Investigation Case Simulator for Enhancing Students Learning Experience at the University of Baltimore and Towson University. Funded by: U.S. Department of Justice, \$432,700, 2021 – 2023. (Collaborative grant with the University of Baltimore)
2. Co-PI with Xu, W., de la Cruz, M., Deng, L., and Dehlinger, J. Developing a Cloud-Based Cyber Investigation Case Simulator for Enhancing Students Learning Experience at the University of Baltimore and Towson University. Funded by: U.S. Department of Justice, \$450,000. 2020-2022 (collaborative grant with the University of Baltimore)

3. Co – PI , with Dr. Kaza (PI), Dr. Kim, Dr. Mike O’Leary, Dr. and Dr. Tang “Providing Cyber-Security education opportunities to Army Reserve Personnel”, **Funded By** the CyberP3i program of the National Security Agency (NSA), 2016, \$185,800
4. Co –PI , with Dr. O’Leary (PI), and Dr. Hilberg“ Expanding the Reach of the IT Programs at Towson University” **Funded by** Maryland Higher Education Council (MHEC): BRAC Higher Education Investment Fund, 2010 , \$73,844
5. Co-PI, with Dr. O’Leary, Dr. Song, Dr. Kaza, Dr. Acharya and Dr. Dehlinger “Expanding an Applied Information Technology Masters Program, “ **Funded by:** Maryland Higher Education Council (MHEC), 2008, \$90,990, 2009-10

### **Internal Funded Grants**

1. Co-PI with Durlington M., Collins, S. “TIGURS summer project”, \$16, 000; summer 2022.
2. Co-PI with Dehlinger, J., and Deng, L. Authentic Undergraduate Research Experiences in Software Engineering and Machine Learning. Funded by: General Endowment Funds, Jess & Mildred Fisher College of Science & Mathematics, Towson University, \$19,440, 2021 – 2023.
3. Deng, L., Dehlinger, J. and Chakraborty, S., Authentic Undergraduate Research Experiences in Machine Learning. Funded by: FCSM General Endowment Funds, \$18,533. 2019-2020.
4. Co-PI with Collins, S., Durlington, M. and Ballengee, J. Digital Stoops Along Networked Streets: Community Technology and the Future of Work in Baltimore. 2019 – 2021 Funded by SET, \$21,800
5. Co-PI, Dr. Dehlinger, Dr. Collins, and Dr. Durlington, Ghost-Hunting in Baltimore: Enabling an Immersive Student Learning Environment through a Context-Aware Mobile Application. **Funded by** Towson University School of Emerging Technologies Seed Funding. \$25,000. 2014-2015
6. Co-PI, with Dr. Spizer, Dr. Dehlinger, and Dr. Wang,. “Developing Prospective teachers’ Questioning Skills through Interaction with a Virtual Interview Subject.” **Funded by:** Towson University School of Emerging Technologies Seed Funding. \$10,800, 2013-2014

## **Teaching Experience**

---

### **Graduate Student Mentoring/Advising**

#### **Dissertation Chair (Doctoral Students)**

Name	Dissertation Title	Graduation
------	--------------------	------------

Raza Hasan	<i>Investigating Challenges to Software Maintenance in Small Organizations: A Grounded Theoretical Approach</i>	Spring 2012
Deema Al-Sekait	<i>Investigating Healthcare IS use and development using a Practice Perspective</i>	Fall 2015
Atiya Afsana	<i>Preparing Industry- Ready Analysts in the classroom: A module injection approach</i>	Fall 2017

### Dissertation Committee member (doctoral students)

Name	Dissertation Title	Graduation
Gwen Greene	<i>Critical Success Factors To Securing Organizational Information Assets: An End User Perspective</i>	Fall 2010
Yao Ma	<i>Investigating User Behavior For Authentication Methods: A Comparison Between Individuals With Down Syndrome And Neurotypical Users</i>	Fall 2012
Joseph McQuighan	<i>Computational Intelligence Applied to Information Technology Project Scope</i>	Spring 2013
Abiodun Olalare	<i>Examination of accessibility performance of Sounds Right Captcha</i>	Spring 2014

### Masters Thesis/Capstone Project Advising

Name	Project title	Project completion
Steven Pugh	<i>Adversarial Neural Networks</i>	SpringFall 2021
Christian Ziemanski	<i>Applying Topic Modeling as an open coding process in qualitative text analysis</i>	Summer 2020
Dodavah Mowoh	<i>Applying Topic Modeling as as an open coding process in qualitative text analysis</i>	Spring 2020
Arisa Okazaki	<i>Visual Analytics Using Tableau: Internal Quality Assurance of Clinical Report Library</i>	Fall 2018
Rajiv Varma	<i>Exploring the effectiveness of applying topic modeling techniques to Requirements Engineering</i>	Fall 2018
Arisa Okazaki	<i>Visual Analytics in Tableau: Assessing the usefulness of Healthcare Reports</i>	Fall2018
Edose Ibadin	<i>How SOA increases your risk and ways to prevent them</i>	Spring 2018
Foston Sakala	<i>Test Driven Development: Just how beneficial is it, if at all?,</i>	Spring 2017
George Irundu	<i>Information Security Issues in mobile device management: Findings from a literature review</i>	Spring 2016

Erika Borquist	<i>Developing a dialogue Engine for use in requirements engineering training</i>	Fall 2013
Ramandeep Sahota	<i>Evaluating the effectiveness of Pair Programming</i>	Fall 2013
Bradley Duerling	<i>Development and implementation of a User Management Web Service facilitating seamless linking with Social Networking credentials</i>	Spring 2013
Steven Suit	<i>Analysis of the Requirement process of a failed CRM project</i>	Spring 2012
Dustin Caroll	<i>Developing a Multi-modal Weather Map for the blind</i>	Spring 2012
Frank Delession	<i>Project Implementing an Automated Brochure Generation Solution for Senior Box Office, Baltimore County – Phase II</i>	Spring 2012
Rob Rybincki	<i>Development of a collaborative web based document annotation system- reflections fusing open sourced platform/technologies;</i>	Spring 2012
Tara Schultz	<i>Development of an Event Management Solution for Baltimore based Musicians and Event Managers</i>	Spring 2011
Jordan Parfitt	<i>Implementing web based reporting and tracking solution for Coalition of Urban and Metropolitan Universities (CUMU)</i>	Spring 2011
Rose Brown	<i>Implementing an automated Brochure generation solution for Senior Box Office, Baltimore County – Phase I</i>	Fall 2010
Michael Lanahan	<i>A laboratory Inventory Database with Web Based interface</i>	Spring 2010
Bhavana Nagaraj	<i>Embedding Visualizations within Web Design</i>	Spring 2010
Christie Putnam	<i>Implementing a database solution for Senior Box Office, Baltimore County;</i>	Spring 2010
Hussain Zaidi	<i>Service Learning project implementing an interactive website solution for Hearts &amp; Ears Inc. Baltimore</i>	Spring 2010
Prashanth Reddy	<i>Deriving a conceptual framework for research through literature review</i>	Spring 2010

**Courses Taught at Department of Computer and Information Sciences (CIS), Towson University**

The CIS department at Towson has three undergraduate programs – Information Systems (IS), Computer Science (CS) and Information Technology (IT) and a Graduate program in Computer Science. I have taught across all of these programs

<b>Program</b>	<b>Course Title</b>	<b>Average Course</b>	<b>Semesters Taught</b>
----------------	---------------------	-----------------------	-------------------------

		<b>Evaluations (out of 5.00)</b>	
Undergraduate IS program	Systems development for Electronic Commerce (CIS440)	4.46	Fall Semester: 2013; 2011; 2010; 2009; 2008  Spring Semester: 2015; 2014; 2012; 2011; 2010; 2009
	Analysis and Design for Websites (CIS 475)	4.62	Fall Semester: 2013; 2010; 2009 Spring: 2018, 2017,2016; 2015; 2014; 2010
	Human-Computer Interaction (CIS435)	4.17	Fall Semester: 2012; 2011  Spring Semester: 2013
	Advanced Programming (Java) (COSC 237)	4.12	Spring Semester: 2009
	Information and Technology for Business (COSC111)	4.43	Fall Semester: 2008  Spring Semester: 2009
	Systems Analysis & Design (CIS379)	4.23	Fall Semster 2018, 2019, 2020, 2021 Spring Semester: 2020
Undergraduate IT program	Enterprise Cloud Computing+ (ITEC435)	3.95	Spring Semester: 2014; 2013; 2012
Undergraduate CS program	Software Requirements Analysis & Modeling+(COS432)	4.22	Fall Semester: 2022, 2021, 2020, 2019, 2018,2017,2016, 2015, 2014
Graduate program	Software Requirements Engineering+(COS C601)	4.13	Fall Semester: 2022, 2021, 2020, 2019, 2018,2017,2016, 2015; 2014; 2013; 2012; 2011; 2010 Spring Semester: 2016
	Human Factors and Human Computer Interaction (COSC605)	4.15	Spring Semester: 2012; 2011
	Fundamentals of E-Commerce (COSC641)	4.42	Fall Semester: 2009; 2008
	Doctoral Seminar AIT790	4.62	Spring Semester: 2022,2023

+ New course developed for the Department of CIS , Towson University

---

## Professional Service and Affiliations

---

### Academic Service

#### Editorial Assignments

- Editorial Board Member *Journal of AIS* (2016 -)
- Guest Associate Editor, *Journal of AIS* special issue on qualitative methods (2016 -)
- Guest Member, Editorial Board, *Journal of Association for Information Systems (JAIS)* forthcoming Special Issue on ICT Challenges and Opportunities in building a “Bright Society”.
- Mini-Track chair *Americas Conference for Information Systems*, Boston MA, 2017
- Track Chair, Information Systems and Positive Organizational Scholarship, *European Conference on Information Systems*, Istanbul, Turkey, 2016
- Associate Editor, *European Conference on Information Systems*, 2019, 2020, 2021, 2022, 2023.
- Associate Editor, Human Behavior track, *36th International Conference on Information Systems*, San Francisco, 2018
- Associate Editor, Information Systems Development track, *36th International Conference on Information Systems*, Dublin, Ireland, 2016
- Associate Editor, Information Systems Development track, *36th International Conference on Information Systems*, Forth Worth, TX, 2015
- Guest Associate Editor, *Information Systems Journal*, Special Issue on Digitization in Business Models and Entrepreneurship, 2013
- Member, Editorial Board, *Journal of Information Technology Cases and Applied Research (JITCAR)* 2010 -

#### Other Academic assignments

- Secretary, AIS SIG GTM
- Co-Chair, SIG GTM - Grounded Theory Workshop, AMCIS Professional Development Symposium, Boston, MA, 2017
- Session Chair, Slam Session, International workshop on Grounded Theory in Information Systems Research, 2016, 2017, 2018, 2019, 2020, 2021

#### Ad-hoc Reviewing

MIS Quarterly, Decision Sciences Journal, Journal of the AIS, Information Systems Journal, Communications of AIS, Journal of Information Technology Cases and Applied Research, Decision Support Systems, European Journal of

Information Systems, International conference on Information Systems (ICIS), European Conference on Information Systems (ECIS), Hawaii International Conference on System Sciences (HICSS)

### **Organizational Service**

- Member President's committee for the Faculty Development Center.
- Chairperson, College Council, Jess and Mildred Fisher College of Science and Mathematics, Towson University, 2015 – 2016
- Member, College Council, Jess and Mildred Fisher College of Science and Mathematics, Towson University, 2013 – 2016
- Member Undergraduate IS program Committee, Department of Computer and Information Sciences, Towson University, 2008 -
- Member Graduate Programs Committee, Department of Computer and Information Sciences, Towson University, 2008 –
- Member, Departmental Job Search Committee, 2016
- Member, Departmental Job Search committee, 2013
- Member, Departmental Job Search committee, 2012

### **Affiliations**

- Association of Information Systems (AIS)
- AIS-SIG Grounded Theory Methodology (Member of Executive Committee, 2016 -)
- AIS-SIG Systems Analysis and Design
- AIS-SIG Philosophy

### **Awards/Honors**

---

- Nominated Best AE in Track: ISD and Project Management, International conference for Information Systems, Dublin, Ireland.
- Excellence in Scholarship Award, Fisher College of Science and Mathematics, Towson University
- Selected for the 2016 President's Leadership Program for Associate Professors , Towson University
- Graduate Assistantship, College of Business, Washington State University , 2004 -2008
- Accepted at the DSI Doctoral Consortium 2007
- Beta Gamma Sigma, 2006, Washington State University

---

## Industry Experience

---

### **WIPRO Technologies, India (1997-2004)**

WIPRO Technologies is one of India's leading software services companies with a turnover of more than a billion USD. Wipro is the World's first CMMI Level 5 certified software services company and the first outside USA to receive the IEEE Software Process Award. While at WIPRO I worked extensively on ISD projects with both technical and managerial responsibilities. As a majority of the projects are outsourced projects, I have a rich experience of working in distributed development teams and with ISD outsourcing in India as well as the UK. Below is a short representative summary of my roles over the years.

*Designation* – Project Manager at Client Site (Solihull, UK)

*Duration* – 2002 – 2004

*Responsibilities* –

- Client Liaison
- Engage in pre-sales activities
- Perform pre-project activities such as feasibility study, project estimation
- Perform role of lead analyst during the front end phases (requirements elicitation and systems analysis)
- Quality audit of project deliverables
- Overall charge of system implementation (Development team activities)

*Highlights*

- Repeatedly received highest level of customer satisfaction rating for completed projects
- Was rated at the highest level in WIPRO's internal employee appraisal system

*Designation* – Lead Analyst and Designer (Bangalore, India)

*Duration* – 2000 – 2002

*Responsibilities* –

- Requirements analysis
- High level and Low level design
- Test Design and Strategy
- Configuration Management
- Technical and functional support for junior developers

*Highlights*

- Received "Feather in My Cap" (a Wipro internal award for consistent excellence) twice during this period

*Designation* – Application Developer (Bangalore India)

*Duration* – 1997 – 2000

*Responsibilities* –

- Application Programming
  - Test case preparation and execution
  - Quality Reviews of project deliverables
-