Vita

Nigamanth Sridhar

Electrical and Computer Engineering, Cleveland State University
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July 29, 2015

1 Education

- **Ph.D. in Computer Science and Engineering** Mar 2004
  The Ohio State University, Columbus, OH, USA.
  Dissertation: Dynamically Reconfigurable Parameterized Components.
  Advisors: Prof. Paolo A. G. Sivilotti and Prof. Bruce W. Weide.
- **M.S. in Computer Science and Engineering** Jun 2000
  The Ohio State University, Columbus, OH, USA.
- **M.Sc. (Tech.) in Information Systems** May 1997
  Birla Institute of Technology and Science, Pilani, India.

2 Awards and Honors

- **Outstanding Computer Engineering Professor**. 2013. (Selected by the graduating undergraduate class of 2013.)
- **National Science Foundation CAREER Award**. 2008.
- **Fenn College of Engineering Outstanding Research Faculty** Award. 2008.
- **CSU Faculty Merit Recognition** Award. 2008, 2011, 2012, 2013, 2014.
- **Finalist for Best Paper** at the 14$^{\text{th}}$ Conference on Parallel & Distributed Computing Systems. 2002.
- **Lucent Technologies Graduate Fellowship** (Mar—Dec 2001).
- **Lucent Technologies Trailblazer Award** for Team Excellence. 1998.

3 Professional Experience

- **Associate Professor** Aug 2009—present
  Department of Electrical & Computer Engineering, Cleveland State University, Cleveland OH, USA.
- **Adjunct Associate Professor** Aug 2013—present
  Computer Science Division, School of Computing, Clemson University, Clemson SC, USA.
- **Visiting Scientist** Aug 2011—May 2012
  Department of Computer Science & Automation, Indian Institute of Science, Bangalore, India.
- **Associate Director, University Transportation Center** Aug 2008—present
  Cleveland State University, Cleveland OH, USA.
- **Assistant Professor** Aug 2004—Jul 2009
  Department of Electrical & Computer Engineering, Cleveland State University, Cleveland OH, USA.
- **Post-doctoral Research Associate** Mar 2004—Jun 2004
  Department of Computer Science & Engineering, The Ohio State University, Columbus OH, USA.
  Supervisor: Prof. Anish Arora
- **Graduate Research Associate** Jan 1999—Mar 2004
  Department of Computer Science & Engineering, The Ohio State University, Columbus OH, USA.
  Supervisors: Prof. Paolo A. G. Sivilotti and Prof. Bruce W. Weide
- **Graduate Teaching Associate** Jan 1999—Mar 2004
  Department of Computer Science & Engineering, The Ohio State University, Columbus OH, USA.
- **Technical Intern** Jun 2000—Sep 2000
  Zeevo Corporation, Santa Clara CA, USA.
- **Member of Technical Staff** Jun 1997—Dec 1998
  Lucent Technologies Bell Labs, Columbus OH, USA
- **Technical Intern** Jan 1997—Jun 1997
  Lucent Technologies R&D India, Pune, India

4 Peer-Reviewed Publications

(* Underlining indicates my student advisees.)

4.1 Book Chapters

Since last personnel action

1. Brian Krupp, Wenbing Zhao, and Nigamanth Sridhar. (2014). A Survey of Security and Privacy Protection in Mobile Devices. *Encyclopedia of Information Science & Technology, Third Edition (IGI Global). In press*.

2. Sally K. Wahba, Jason O. Hallstrom, and Nigamanth Sridhar. (2012). Testing and Debugging Sensor Network Applications, *Distributed Sensor Networks, Second Edition: Image and Sensor Signal Processing* (pp. 711–727). CRC Press.

4.2 Journal Papers

Since last personnel action

3. Brian Krupp, Wenbing Zhao, and Nigamanth Sridhar. SPE: Security and Privacy Enhancement Framework for Mobile Devices. *IEEE Transactions on Secure and Dependable Computing*. 2015. *In Press.*.
4. William P. McCartney and Nigamanth Sridhar. Stackless Pre-emptive Multithreading for Embedded Systems. *IEEE Transactions on Computers*. 2015. *In Press. DOI: 10.1109/TC.2014.2378256*.
5. Hamza A. Zia, Nigamanth Sridhar, and Shivakumar Sastry. Failure Detectors for Wireless Sensor Actuator Systems. *Elsevier Ad Hoc Networks Journal.* 7(5): 1001–1013, 2009.

Prior to last personnel action

6. Andy R. Dalton, Jason O. Hallstrom, Hamza A. Zia, and Nigamanth Sridhar. Reducing the Impact of Link Quality Variation in Embedded Wireless Networks. *Ad Hoc & Sensor Wireless Networks Journal*, 6(3-4): 177–205, 2008.
7. Anish Arora, Mohamed Gouda, Jason Hallstrom, Ted Herman, William Leal, and Nigamanth Sridhar. A state-based language for sensor-actuator networks. *SIGBED Review*, 4, (3). July 2007. Special Issue on the Workshop on Wireless Sensor Network Architecture (April 2007).
8. Nigamanth Sridhar. Serfs: Dynamically-bound parameterized components. *Journal of Systems and Software*, 80(5): 736–749, May 2007.
9. Jason O. Hallstrom, Nigamanth Sridhar, Paolo A.G. Sivilotti, Anish Arora, and William M. Leal. A container-based approach to object-oriented product lines. *Journal of Object Technology*, 3(4):161–175, April 2004.

4.3 Conference/Workshop Papers

Since last personnel action

12. Sumesh Divakaran, Deepak D'Souza, Prahladavaradan Sampath, Anirudh Kushwah, Nigamanth Sridhar and Jim Woodcock. Refinement-Based Verification of the FreeRTOS scheduler in VCC. In Proceedings of the 17^{th} International Conference on Formal Engineering Methods (ICFEM 2015). November 3–6, 2015, Paris, France.
13. Owen Astrachan, Dan Garcia, Bennett Brown, Jeff Gray, Ralph Morelli, Nigamanth Sridhar and Baker Franke. Computer Science Principles Curricula. Proceedings of the CSTA Annual Conference. July 12–14, 2015, Grapevine, TX, USA.
14. Nigamanth Sridhar and Debbie K. Jackson. Integrating Computing Principles to Enhance Science Classes. Proceedings of the NSTA Annual Conference. March 12–15, 2015, Chicago, IL, USA.
15. Owen Astrachan, Daniel Garcia, Bradley Beth, Jeff Gray, Calvin Lin, Ralph Morelli, Bennett Brown, Nigamanth Sridhar, and Marie desJardins. Computer Science Principles Curricula: On-the-ground, Adoptable, Adaptable, Approaches to Teaching. Proceedings of the ACM International Symposium on Computer Science Education (SIGCSE'15). March 4–7, 2015. Kansas City, MO, USA.
16. Brian Krupp, Nigamanth Sridhar, and Wenbing Zhao. An Ontology for Enforcing Security and Privacy Policies on Mobile Devices. Proceedings of the 6^{th} International Conference on Knowledge Engineering and Ontology Development (KEOD'14). October 21–24, 2014. Rome, Italy.
17. Jiannan Zhai, Nigamanth Sridhar, and Jason O. Hallstrom. Supporting the Specification and Runtime Validation of Asynchronous Calling Patterns in Reactive Systems. Proceedings of the 14^{th} International Conference on Runtime Verification (RV 2014). September 22–25, Toronto, ON, Canada.
18. Sumesh Divakaran, Deepak D'Souza, and Nigamanth Sridhar. Efficient Refinement Checking using VCC. Proceedings of the 6th Working Conference on Verified Software: Theories, Tools, and Experiments (VSTTE 2014). July 17–18, 2014, Vienna, Austria.
19. Debbie K. Jackson, Nigamanth Sridhar, Stephen Duffy, Joanne Goodell, and Gina Weisblat. Academic Requirements for Success in STEM. Proceedings of the NSTA Annual Conference. April 3–6, 2014, Boston MA.
20. Nigamanth Sridhar and Debbie K. Jackson. An investigation of the current landscape of K-12 engineering education and the potential impact of NGSS on first year engineering curricula. Proceedings of the 2013 First Year Engineering Experience Conference (FYEE 2013). August 8–9, Pittsburgh, PA, USA.
21. Brian Krupp, Nigamanth Sridhar, and Wenbing Zhao. A Proposed Framework for Enhancing Security and Privacy on Unmodified Mobile Operating Systems. Proceedings of the ICDCS Workshop on Mobile Cloud and Social Computing (MCSC 2013). July 8–11, Philadelphia PA, USA.
22. Debbie K. Jackson, Stephen F. Duffy, Nigamanth Sridhar, and Diane E. Burrowbridge. Integrating Engineering in K-12 Science. Proceedings of the NSTA Annual Conference. April 11–14, 2013, San Antonio TX, USA.
23. Kalyan C. Regula, Hampton Smith, Heather H. Keown, Jason O. Hallstrom, Nigamanth Sridhar, and Murali Sitaraman. A Case Study in Verification of Embedded Network Software. Proceedings of the 4^{th} NASA Formal Methods Symposium (NFM 2012). April 3–5, Norfolk Virginia, USA.

24. Sriram Sanka, Prashanth Reddy, Amber Alt, Ann Reinthal, and Nigamanth Sridhar. Utilization of a Wrist-Mounted Accelerometer to Count Movement Repetitions. Proceedings of the 2^{nd} COMSNETS Workshop on Networked Healthcare (NetHealth'12). January 3, Bangalore, India. (*Acceptance rate: 35%*).
25. William P. McCartney and Nigamanth Sridhar. Stackless Preemptive Multi-Threading for TinyOS. Proceedings of the 7^{th} IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS'11). June 27–29, Barcelona, Spain. (*Acceptance rate: 30%*).
26. Madhu M. Mudigonda, Trisul Kanipakam, Adam M. Dutko, Manohar Bathula, Nigamanth Sridhar, Srini Seetharaman, and Jason O. Hallstrom. A Mobility Management Framework for Optimizing the Trajectory of a Mobile Base-Station. Proceedings of the 8^{th} European Conference on Wireless Sensor Networks (*EWSN'11*). February 23–25, Bonn, Germany. (*Acceptance rate: 19%*).
27. Debbie K. Jackson, Diane E. Burrowbridge, Nigamanth Sridhar, Micah Arafah, and Stephen F. Duffy. Widening the pipeline: One center's attempt to influence each level. Proceedings of the P-12 Engineering and Design Education Research Summit. August 11–13, 2010. Seaside, OR, USA. (*Acceptance rate: not available*).
28. Prashanth G. Reddy and Nigamanth Sridhar. Lakon: A Middle-ground Approach to High-frequency Data Acquisition and In-network Processing in Sensor Networks. Proceedings of the 9^{th} ACM/IEEE International Conference on Information Processing in Sensor Networks (*IPSN SPOTS '10*). April 12–16, 2010. Stockholm, Sweden. (*Acceptance rate: 19%*).
29. Sally K. Wahba, Jason O. Hallstrom, Pradip K. Srimani, and Nigamanth Sridhar. SFS^3: A Simulation Framework for Self-Stabilizing Systems. Proceedings of the 43^{rd} Annual Simulation Symposium (*ANSS'10*). April 11-15, Orlando, FL, USA. (*Acceptance rate: not available*)
30. Manohar Bathula, Mehrdad Ramezanali, Ishu Pradhan, Nilesh Patel, Joe Gotschall, Nigamanth Sridhar. A Sensor Network System for Measuring Traffic in Short-Term Construction Work Zones. Proceedings of the 5^{th} IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '09). June 8–10, 2009. Marina Del Rey, CA, USA. (*Acceptance rate: 22%*).
31. Nigamanth Sridhar and Jason O. Hallstrom. A Specification Idiom for Reactive Systems. Proceedings of the 31^{st} International Conference on Software Engineering (New Ideas and Emerging Results Track). May 16-24, 2009. Vancouver, Canada. (*Acceptance rate: 31%*)
32. Manohar Bathula, Mehrdad Ramezanali, Ishu Pradhan, Nilesh Patel, Joe Gotschall, Nigamanth Sridhar. Measuring Traffic in Short-Term Construction Work Zones. (Poster paper). Proceedings of the 8^{th} ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN '09). April 13-16, 2009, San Francisco, USA.(*Acceptance rate: not available*)
33. Joseph E. Marencik, Stephen F. Duffy, Diane E. Burrowbridge, and Nigamanth Sridhar. Integrating Engineering into High School Curricula. Proceedings of the 2009 Northeast American Society of Engineering Education Conference. April 3-4, 2009, Bridgeport CT, USA. (*Acceptance rate: not available*)
34. Sarthak Grover and Nigamanth Sridhar. GenQA: Automated Addition of Architectural Quality Attribute Support for Java Software. In *Proceedings of the ACM Symposium on Applied Computing (Software Engineering Track)*, Honolulu, HI, USA, March 2009. (*Acceptance rate: 25%*)

Prior to last personnel action

35. Dheeraj R. Bheemidi and Nigamanth Sridhar. A Wrapper-Based Approach to Sustained Time Synchronization in Wireless Sensor Networks. In *Proceedings of the International Conference on Computer Communications Networks (ICCCN 2008)*, US Virgin Islands, USA, August 2008. (*Acceptance rate: 24%*)
36. Andy R. Dalton, William P. McCartney, Kajari Ghosh-Dastidar, Jason O. Hallstrom, Nigamanth Sridhar, Ted Herman, William Leal, Anish Arora, and Mohamed Gouda. DESAL-a: An Implementation of the Dynamic Embedded Sensor-Actuator Language. In *Proceedings of the International Conference on Computer Communications Networks (ICCCN 2008)*, US Virgin Islands, USA, August 2008. (*Acceptance rate: 24%*)
37. William P. McCartney and Nigamanth Sridhar. Getting TinyOS and NesC Ready for Prime Time. In *Proceedings of the* 5^{th} *International Workshop on Embedded Networks (HotEmNets 2008)*, Charlottesville, VA, USA, June 2008. Pages 88–92. (*Acceptance rate: 27%*)
38. William P. McCartney and Nigamanth Sridhar. Abstractions for Safe Concurrent Programming in Networked Embedded Systems. In *Proceedings of the* 4^{th} *ACM Symposium on Embedded Networked Sensor Systems (SenSys 2006)*, Boulder, CO, USA, November 2006. Pages 167–180. (*Acceptance rate: 19%*)
39. William P. McCartney and Nigamanth Sridhar. TOSDev: A Rapid Development Environment for TinyOS. *Demo paper*. In *Proceedings of the* 4^{th} *ACM Symposium on Embedded Networked Sensor Systems (SenSys 2006)*, Boulder, CO, USA, November 2006. Pages 387–388. (*Acceptance rate: not available*)
40. Hamza A. Zia and Nigamanth Sridhar. A Fault-Tolerant Algorithm for Gossip in Wireless Sensor Networks. In *Proceedings of the Ohio ICE Technical Conference*, Akron, OH, USA, October 2006. (*Acceptance rate: not available*)
41. Andy R. Dalton, Jason O. Hallstrom, Hamza A. Zia, and Nigamanth Sridhar. Improving Network Link Quality in Embedded Wireless Systems. In *Proceedings of the* 3^{rd} *Workshop on Dependable Embedded Systems*, Leeds, UK, October 2006. Pages 43–48. (*Acceptance rate: 35%*)
42. Nigamanth Sridhar. Decentralized Local Failure Detection in Dynamic Distributed Systems. In *Proceedings of* 25^{th} *Symposium on Reliable Distributed Systems (SRDS 2006)*, Leeds, UK, October 2006. Pages 143-152. (*Acceptance rate: 28%*)
43. Nigamanth Sridhar, Jason O. Hallstrom, and Paolo A.G. Sivilotti.Container-based component deployment: A case study. In *Proceedings of the* 18^{th} *International Conference on Software Engineering and Knowledge Engineering (SEKE 2006)*, San Francisco, CA, USA, July 2006. (*Acceptance rate: not available*)
44. Nigamanth Sridhar. Dynamic instantiation-checking components. In *Proceedings of the* 21^{st} *Annual ACM Symposium on Applied Computing (SAC 2006),* pages 1442–1446, Dijon, France, April 2006. (*Acceptance rate: 30%*)
45. Nigamanth Sridhar and Jason O. Hallstrom. A behavioral model for software containers. In *Proceedings of FASE'06: Fundamental Approaches to Software Engineering*, pages 139–154, Vienna, Austria, March 2006. (*Acceptance rate: 16%*)

46. Santosh Kumar, Bruce W. Weide, Paolo A.G. Sivilotti, Nigamanth Sridhar, Jason O. Hallstrom, and Scott M. Pike. Encapsulating concurrency as an approach to unification. In *FSE Workshop on Specification and Verification of Component-Based Systems*, pages 10–17, Newport Beach, CA, October 2004. (*Acceptance rate: not available*)
47. Nigamanth Sridhar and Bruce W. Weide. Reasoning about parameterized components with dynamic binding. In *Proceedings of the Workshop on Specification and Verification of Component-Based Systems*, pages 92–95, Helsinki, Finland, September 2003. (*Acceptance rate: not available*)
48. Nigamanth Sridhar, Scott M. Pike, and Bruce W. Weide. Dynamic module replacement in distributed protocols. In *Proceedings of the* 23^{rd} *International Conference on Distributed Computing Systems*, pages 620–627, May 2003. (*Acceptance rate: 18%*)
49. Nigamanth Sridhar and Jason O. Hallstrom. Generating configurable containers for component-based software. In *Proceedings of the Sixth Workshop on Component-Based Software Engineering*, Portland OR, May 2003. (*Acceptance rate: not available*)
50. Nigamanth Sridhar and Paolo A.G. Sivilotti. Lazy snapshots. In S.G. Akl and T.Gonzalez, editors, *Proceedings of the* 14^{th} *IASTED International Conference on Parallel and Distributed Computing and Systems*, pages 96–101, Cambridge, MA, November 2002. IASTED, ACTA Press. (*Acceptance rate: not available*)
51. Jason O. Hallstrom, Scott M. Pike, and Nigamanth Sridhar. Iterators reconsidered. In *Proceedings of the Fifth Workshop on Component-Based Software Engineering*, Orlando, FL, May 2002. (*Acceptance rate: not available*)
52. Nigamanth Sridhar, Bruce W. Weide, and Paolo Bucci. Service facilities: Extending abstract factories to decouple advanced dependencies. In *Proceedings of the* 7^{th} *International Conference on Software Reuse*, pages 309–326, April 2002. (*Acceptance rate: 33%*)
53. Scott M. Pike and Nigamanth Sridhar. Early reply components: Concurrent execution with sequential reasoning. In *Proceedings of the* 7^{th} *International Conference on Software Reuse*, pages 46–61, April 2002. (*Acceptance rate: 33%*)
54. Scott M. Pike, Paolo, A.G. Sivilotti, and Nigamanth Sridhar. A new distributed resource-allocation algorithm with optimal failure locality. In *Proceedings of the* 12^{th} *IASTED International Conference on Parallel and Distributed Computing and Systems*, volume 2, pages 524–529. IASTED/ACTA Press, November 2000. (*Acceptance rate: not available*)

5 External Funding Record

Since last personnel action

1. National Science Foundation CE21 Award: "CS10K: CISS: Computing in Secondary Schools", PI ($814,886). Jan 2014 - Dec 2016.
    - REU Supplement, Summer 2014, $16,000.
2. National Science Foundation S-STEM Award: "University Scholars in STEM", Co-PI ($600,000). Sep 2012 - Aug 2017.

3. National Science Foundation Noyce Award: "MUST STEM Fellows", Co-PI ($1,199,998). Jul 2011 – Jun 2016.
4. National Science Foundation Award: "Travel Support for Students Attending the 2009 ACM Symposium on Embedded Networked Sensor Systems", PI ($15,000). Oct 2009 – Mar 2010.
5. National Science Foundation MRI Award: "Acquisition of Equipment to Establish a Secure and Dependable Computing Infrastructure for Research and Education at Cleveland State University", Co-PI ($243,975 [NSF:$150,000, CSU cost-share:$93,975]). Sep 2008 – Aug 2011.
    - REU Supplement: "Towards a Lightweight Highly Dependable Storage System for Home Networks", Co-PI ($16,000). May 2009 – Aug 2009.

Prior to last personnel action

6. National Science Foundation CAREER Award: "Improving the Productivity of the Sensor Network Programmer", PI ($450,000). Feb 2008 – Jan 2013.
    - REU Supplement: "Exercise Monitoring using Wearable Sensors", PI ($16,000). May 2012 – Aug 2012.
    - REU Supplement: "Efficient Multi-Threading for Embedded Networked Systems", PI ($16,000). May 2010 – Aug 2010.
    - REU Supplement: "Towards Verifiable Programs for Reactive Systems", PI ($16,000). May 2009 – Aug 2009.
    - REU Supplement: "Improving Work Zone Safety Using Sensor Networks", PI ($12,000). May 2008 – Aug 2008.
7. Ohio ICE Research Award: "Predictable Monitoring for Networked Embedded Computing", PI ($24,062; total award $44,552, partner: University of Akron). May 2006 - May 2007.
8. Ohio Board of Regents Challenge Grant: "Engineering Component-Based Software", PI ($18,500). Aug 2005 – May 2006.

6 Doctoral Dissertation Supervision

Since last personnel action

1. Brian Krupp. *Enhancing Security and Privacy for Mobile Systems*, (co-advised with Dr. Wenbing Zhao). May 2015.
2. William P. McCartney. *Simplifying Embedded Systems Programming through Whole-Program Compilers*, May 2011.

7 M.S. Thesis Supervision

Since last personnel action

1. Mathew J. Matias. *Program Verification of FreeRTOS using Dafny.*, May 2014.
2. Thomas A. Mis. *An Analysis of Data Quality Defects in Podcasting Systems*, Dec 2012.
3. Prashanth G. Reddy. *Efficient Time of Arrival Calculation for Acoustic Source Localization in Wireless Sensor Networks*, Dec 2011.
4. Adam M. Dutko. *The Relational Database: A New Static Analysis Tool?*, Aug 2011.
5. Sharmila Kollipara. *Evaluation and Comparison of MAC Protocols in Wireless Sensor Networks*, Dec 2010.
6. Irenee Magdalla. *Reverse Engineering Aspects to Create Application Class Models*, May 2010.

Prior to last personnel action

7. Dheeraj Bheemidi. *A Wrapper-Based Approach to Sustained Time Synchronization in Wireless Sensor Networks*, December 2008.
8. Manohar Bathula. *A Sensor Network System for Monitoring Temporary Work Zones*, December 2008.
9. Hamza A. Zia. *Ensuring Termination of Diffusing Computations in Networks with Message Loss*, December 2007.
10. Sarthak Grover. *Automated Addition of Architectural Software Quality Attributes*, August 2007.
11. Madhu M. Mudigonda. *A Generic Framework for Managing Mobile Sinks in Wireless Sensor Networks*, May 2007.
12. William P. McCartney. *Simplifying Concurrent Programming in Sensornets Using Threading*, May 2006.
13. Dhvanish Chokshi. *A MAC Protocol with Need-Based Scheduling for Wireless Sensor Networks*, December 2005.

8 Teaching Experience

1. **ESC 120: Introduction to Engineering Design (Computer & Software)**. Undergraduate course. *F09, F10, F12, F13*.
2. **EEC 421/521: Software Engineering**. Undergraduate/Graduate course. *F04, F05, F06, S07, F07, S08, F08, F09, F10, F12, F13, F14*.
3. **EEC 492/693/793: Mobile Application Development**. Undergraduate/Graduate course. *F12, S14*.
4. **EEC 492/592: Wireless Sensor Networks**. Undergraduate/Graduate course. *S15*.
5. **EEC 522: Software Systems Modeling**. Graduate course. *S06, S07, S09*.

6. **EEC 622/722: Formal Methods in Software Engineering.** Graduate course. *S11, S13*.
7. **EEC 625/725: Software Design & Architecture**. Graduate course. *S06*.
8. **EEC 693/793: iOS Application Development**. Graduate course. *F10*.
9. **EEC 693/793: Wireless Sensor Networks**. Graduate course. *F05, F06, F07, F08, F09*.
10. **EEC 693/793: Software Design**. Graduate course. *S05*.
11. **CSA E0-292: Mobile Application Development (Android)**. Graduate course at Indian Institute of Science, Bangalore, India. *F11*.

9 Professional Activities and Service

- *Review Panelist*. NSF CISE Directorate. 2014, 2013, 2013, 2011, 2010, 2008.
- *TPC Member*. Fifth International Workshop on Software Engineering for Sensor Networks and Applications (SESENA) 2013.
- *TPC Member*. Seventh IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS) 2011.
- *TPC Member and Panelist*. PerCom PhD Forum 2011.
- *TPC Member*. Eighth European Conference on Wireless Sensor Networks (EWSN) 2011.
- *TPC Member*. Sixth IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS) 2010.
- *TPC Member*. Workshop on Sensor Web Enablement 2010 (SWE2010).
- *Track Program Co-Chair*. Wireless Sensor Networks and Application Track at the 25^{th} ACM Symposium on Applied Computing (SAC) 2010.
- *Student Support Coordinator*. ACM Conference on Embedded Networked Sensor Systems (SenSys) 2009.
- *TPC Member*. The 11^{th} International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS) 2009.
- *TPC Member*. International Conference on Computer Communication Networks (ICCCN) 2009.
- *TPC Member*. Seventh Workshop on Specification and Verification of Component-Based Systems (SAVCBS) 2008.
- *TPC Member*. International Conference on Computer Communication Networks (ICCCN) 2008 — WSN Track.
- *TPC Member*. International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities (TridentCom 2007)
- *TPC Member*. International Conference on Distributed Computing Systems (ICDCS 2007).
- *TPC Member*. Ohio ICE Technical Conference (2006).
- *TPC Member*. Second IEEE PerCom Workshop on Pervasive Wireless Networking (PWN06).

- *Co-chair*. International Workshop on Global Software Development. Co-located with ICSE 2002. Orlando FL. May 2002.
- *Editor*. International Conference on Software Engineering (ICSE) newsletter, Window on the World (WOW). 2004.
- Member of the press team for the International Conference on Software Engineering (ICSE) newsletter, Window on the World (WOW). 2001, 2002, 2003.
- Referee for workshops, conferences, and journals.
  - 7th International Conference on Software Reuse (ICSR-7). 2002.
  - International Workshop on Global Software Development. 2002.
  - International Conference on Distributed Computing Systems (ICDCS). 2003.
  - Conference on Software Engineering Education and Training (CSEET). 2003.
  - International Workshop on Specification and Verification of Component-Based Systems (SAVCBS). 2003.
  - SRDS '03 Workshop on Dependable Embedded Systems (DES). 2003.
  - Journal of Empirical Software Engineering (EMSE). 2004.
  - ACM Transactions on Software Engineering and Methodology (TOSEM). 2005.
  - International Journal of Computers and Applications. 2005.
  - IEEE International Parallel & Distributed Processing Symposium (IPDPS). 2006.
  - Information Processing in Sensor Networks (IPSN) 2006.
  - 10th International Conference On Principles Of Distributed Systems (OPODIS 2006).
  - Elsevier Journal of Systems and Software. 2005–2005.
  - Elsevier Journal of Parallel and Distributed Computing. 2006-2007.
  - ACM Conference on Embedded Networked Sensor Systems (Sensys 2007)
  - ACM Transactions on Sensor Networks (TOSN) 2010.
  - IEEE Transactions on Parallel and Distributed Systems (TPDS) 2013.

10 Department and University Service

- Member, Search Committee, Vice President for Enrollment Services, March 2015–present.
- Member, Faculty Search Committee, Jan 2015–present.
- President, CSU Faculty Senate, Sep 2014–present.
- Chair, Academic Steering Committee, Sep 2014–present.
- Faculty Representative to the CSU Board of Trustees, Cleveland State University, Sep 2014–present.
- Member, University Strategic Enrollment Task Force, Aug 2014–present.
- Member, 4-to-3 Curriculum Transition Team, Oct 2013–Sep 2014.
- Co-Chair, Dean's Diversity Council, Aug 2013–Sep 2014.

- Vice President, Faculty Senate, Aug 2013–Sep 2014.
- Member, Academic Steering Committee, Aug 2013–Sep 2014.
- Member of the University Curriculum Committee, Cleveland State University, May 2013–present.
- Member of the Provost Search Committee, Cleveland State University, Sep 2012–Feb 2013.
- Member of the eLearning Strategic Planning Committee, Cleveland State University, Sep 2012–present.
- Faculty Representative to the CSU Board of Trustees Recognition Committee, Cleveland State University, Sep 2012–present.
- Faculty Senator, Cleveland State University, Aug 2012–present.
- Member of the Academic Steering Committee, Cleveland State University, Nov 2010–Jun 2011.
- Member of the Search Committee for Associate Vice President for Research, Cleveland State University, 2010.
- Member of the Research Challenges Committee, Cleveland State University. May 2010–present.
- Chair of the Program Review Committee for Computer and Information Science, Cleveland State University. Nov 2009–May 2010.
- Faculty Senator, Cleveland State University. Aug 2009–May 2011.
- Member of University Graduate Council, Cleveland State University. Aug 2009–present.
- Chair of the Faculty Senate Standing Committee for Graduation, Convocation, and Assembly, Cleveland State University. Aug 2008–Aug 2011.
- Member of the Engineering Task Force Implementation Committee, Cleveland State University. Dec 2007–present.
- Member of the Fenn College Strategic Planning Committee working on the *Vision 2010* for the College of Engineering, Cleveland State University. Jan 2006–present.
- Member of the Chair Search Committee, Electrical and Computer Engineering, Cleveland State University, 2006.
- Member of the Strategic Planning Committee to shape the *Vision 2010* for the Department of Electrical & Computer Engineering, Cleveland State University. Aug 2005–present.
- Member of the Graduate Program Committee for Software Engineering, Cleveland State University. May 2005–present.
- Faculty Secretary, Electrical & Computer Engineering, Cleveland State University. Sep 2004–present.
- Member of the Graduate Steering Committee, Computer Science, OSU. Sep 2000–Aug 2003.
- Graduate representative to various departmental committees, Computer Science, OSU. Sep 2000–Aug 2003.
  - Faculty Search Committee, 2002-03.
  - Awards Committee, 2001-02.

- Graduate Studies Committee, 2001-02.
- Graduate Admissions Committee, 2001-02.

11 References

11.1 CSU References

- **Dr. Stephen F. Duffy, Professor**; 216.687.3874; *s.duffy@csuohio.edu*; Civil Engineering
- **Dr. Joanne E. Goodell, Professor**; 216.687.5426; *j.goodell@csuohio.edu*; Teacher Education
- **Dr. Debbie Jackson, Assoc. Professor**; 216.687.3753; *d.jackson1@csuohio.edu*; Teacher Education
- **Dr. Ann Reinthal, Assoc. Professor**; 216.687.3576; *a.karas@csuohio.edu*; Health Sciences

11.2 External References

- **Dr. Bruce W. Weide, Professor**; 614.292.1517
  Computer Science and Engineering, The Ohio State University
  687 Dreese Labs, 2015 Neil Ave, Columbus, OH 43210 USA
  weide@cse.ohio-state.edu *http://www.cse.ohio-state.edu/~weide*
- **Dr. Paolo A.G. Sivilotti, Associate Professor**; 614.292.5835
  Computer Science and Engineering, The Ohio State University
  695 Dreese Labs, 2015 Neil Ave, Columbus, OH 43210 USA
  paolo@cse.ohio-state.edu *http://www.cse.ohio-state.edu/~paolo*
- **Dr. Murali Sitaraman, Professor**; 864.656.6738
  Computer Science, Clemson University
  210 McAdams, Clemson University, Clemson, SC 29634 USA
  murali@cs.clemson.edu *http://www.cs.clemson.edu/~murali*
- **Dr. Jason O. Hallstrom, Professor**; 561.297.4748
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