

Vita

Nigamanth Sridhar

Electrical and Computer Engineering, Cleveland State University

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January 30, 2012

1 Research Interests

Wireless Sensor Networks, Software Engineering, Distributed Computing, Programming Languages, Formal Reasoning Methods, Concurrent Systems.

2 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, India.

3 Awards and Honors

- NSF CAREER Award. 2008.
- Fenn College of Engineering Outstanding Research Faculty Award. 2008.
- CSU Faculty Merit Recognition Award. 2008.
- Finalist for Best Paper at the 14th Conference on Parallel & Distributed Computing Systems. 2002.
- Lucent Technologies Graduate Fellowship (Mar–Dec 2001).
- Lucent Technologies Trailblazer Award for Team Excellence. 1998.
- Merit award from the Central Board of Secondary Education for being among the **top 0.1% of all students in India** in Mathematics and English. 1993.

4 Professional Experience

- **Associate Professor** Aug 2009—present
Department of Electrical & Computer Engineering, Cleveland State University, Cleveland OH, USA.
- **Visiting Faculty Member** Aug 2011—present
Department of Computer Science & Automation, Indian Institute of Science, Bangalore, India.
- **Associate Director, University Transportation Center** Aug 2008—present
Fenn College of Engineering, 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

5 Peer-Reviewed Publications

(* Underlining indicates my student advisees.)

1. 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 4th NASA Formal Methods Symposium (NFM 2012). April 3–5, Norfolk Virginia, USA. (*to appear*).
2. Sriram Sanka, Prashanth Reddy, Amber Alt, Ann Reinthal, and Nigamanth Sridhar. Utilization of a Wrist-Mounted Accelerometer to Count Movement Repetitions. Proceedings of the 2nd COMSNETS Workshop on Networked Healthcare (NetHealth'12). January 3, Bangalore, India. (*Acceptance rate: 35%*).
3. William P. McCartney and Nigamanth Sridhar. Stackless Preemptive Multi-Threading for TinyOS. Proceedings of the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS'11). June 27–29, Barcelona, Spain. (*Acceptance rate: 30%*).

4. Madhu M. Mudigonda, Trisul Kanipakam, Adam M. Dutko, Manohar Bathula, Nigamanth Sridhar, Srinu Seetharaman, and Jason O. Hallstrom. A Mobility Management Framework for Optimizing the Trajectory of a Mobile Base-Station. Proceedings of the 8th European Conference on Wireless Sensor Networks (*EWSN'11*). February 23–25, Bonn, Germany. (*Acceptance rate: 19%*).
5. 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*).
6. 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 9th ACM/IEEE International Conference on Information Processing in Sensor Networks (*IPSN SPOTS '10*). April 12–16, 2010. Stockholm, Sweden. (*Acceptance rate: 19%*).
7. Sally K. Wahba, Jason O. Hallstrom, Pradip K. Srimani, and Nigamanth Sridhar. *SFS³*: A Simulation Framework for Self-Stabilizing Systems. Proceedings of the 43rd Annual Simulation Symposium (*ANSS'10*). April 11-15, Orlando, FL, USA. (*Acceptance rate: not available*)
8. 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.
9. Manohar Bathula, Mehrdad Ramezani, Ishu Pradhan, Nilesh Patel, Joe Gotschall, Nigamanth Sridhar. A Sensor Network System for Measuring Traffic in Short-Term Construction Work Zones. Proceedings of the 5th IEEE International Conference on Distributed Computing in Sensor Systems (*DCOSS '09*). June 8–10, 2009. Marina Del Rey, CA, USA. (*Acceptance rate: 22%*).
10. Nigamanth Sridhar and Jason O. Hallstrom. A Specification Idiom for Reactive Systems. Proceedings of the 31st International Conference on Software Engineering (New Ideas and Emerging Results Track). May 16-24, 2009. Vancouver, Canada. (*Acceptance rate: 31%*)
11. Manohar Bathula, Mehrdad Ramezani, Ishu Pradhan, Nilesh Patel, Joe Gotschall, Nigamanth Sridhar. Measuring Traffic in Short-Term Construction Work Zones. (Poster paper). Proceedings of the 8th ACM/IEEE International Conference on Information Processing in Sensor Networks (*IPSN '09*). April 13-16, 2009, San Francisco, USA. (*Acceptance rate: not available*)
12. 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*)
13. 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%*)
14. 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.
15. 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 Com-*

- puter Communications Networks (ICCCN 2008), US Virgin Islands, USA, August 2008. (Acceptance rate: 24%)
16. 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%)
 17. William P. McCartney and Nigamanth Sridhar. Getting TinyOS and NesC Ready for Prime Time. In *Proceedings of the 5th International Workshop on Embedded Networks (HotEmNets 2008)*, Charlottesville, VA, USA, June 2008. Pages 88–92. (Acceptance rate: 27%)
 18. 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).
 19. Nigamanth Sridhar. Serfs: Dynamically-bound parameterized components. *Journal of Systems and Software*, 80(5): 736–749, May 2007.
 20. William P. McCartney and Nigamanth Sridhar. Abstractions for Safe Concurrent Programming in Networked Embedded Systems. In *Proceedings of the 4th ACM Symposium on Embedded Networked Sensor Systems (SenSys 2006)*, Boulder, CO, USA, November 2006. Pages 167–180. (Acceptance rate: 19%)
 21. William P. McCartney and Nigamanth Sridhar. TOSDev: A Rapid Development Environment for TinyOS. *Demo paper*. In *Proceedings of the 4th ACM Symposium on Embedded Networked Sensor Systems (SenSys 2006)*, Boulder, CO, USA, November 2006. Pages 387–388. (Acceptance rate: not available)
 22. 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)
 23. Andy R. Dalton, Jason O. Hallstrom, Hamza A. Zia, and Nigamanth Sridhar. Improving Network Link Quality in Embedded Wireless Systems. In *Proceedings of the 3rd Workshop on Dependable Embedded Systems*, Leeds, UK, October 2006. Pages 43–48. (Acceptance rate: 35%)
 24. Nigamanth Sridhar. Decentralized Local Failure Detection in Dynamic Distributed Systems. In *Proceedings of 25th Symposium on Reliable Distributed Systems (SRDS 2006)*, Leeds, UK, October 2006. Pages 143–152. (Acceptance rate: 28%)
 25. Nigamanth Sridhar, Jason O. Hallstrom, and Paolo A.G. Sivilotti. Container-based component deployment: A case study. In *Proceedings of the 18th International Conference on Software Engineering and Knowledge Engineering (SEKE 2006)*, San Francisco, CA, USA, July 2006. (Acceptance rate: not available)
 26. Nigamanth Sridhar. Dynamic instantiation-checking components. In *Proceedings of the 21st Annual ACM Symposium on Applied Computing (SAC 2006)*, pages 1442–1446, Dijon, France, April 2006. (Acceptance rate: 30%)

27. 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%)
28. 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)
29. 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.
30. 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)
31. Nigamanth Sridhar, Scott M. Pike, and Bruce W. Weide. Dynamic module replacement in distributed protocols. In *Proceedings of the 23rd International Conference on Distributed Computing Systems*, pages 620–627, May 2003. (Acceptance rate: 18%)
32. 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)
33. Nigamanth Sridhar and Paolo A.G. Sivilotti. Lazy snapshots. In S.G. Akl and T.Gonzalez, editors, *Proceedings of the 14th IASTED International Conference on Parallel and Distributed Computing and Systems*, pages 96–101, Cambridge, MA, November 2002. IASTED, ACTA Press. (Acceptance rate: not available)
34. 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)
35. Nigamanth Sridhar, Bruce W. Weide, and Paolo Bucci. Service facilities: Extending abstract factories to decouple advanced dependencies. In *Proceedings of the 7th International Conference on Software Reuse*, pages 309–326, April 2002. (Acceptance rate: 33%)
36. Scott M. Pike and Nigamanth Sridhar. Early reply components: Concurrent execution with sequential reasoning. In *Proceedings of the 7th International Conference on Software Reuse*, pages 46–61, April 2002. (Acceptance rate: 33%)
37. Scott M. Pike, Paolo, A.G. Sivilotti, and Nigamanth Sridhar. A new distributed resource-allocation algorithm with optimal failure locality. In *Proceedings of the 12th IASTED International Conference on Parallel and Distributed Computing and Systems*, volume 2, pages 524–529. IASTED/ACTA Press, November 2000. (Acceptance rate: not available)

6 Funding Record

1. National Science Foundation Noyce Award: “MUST STEM Fellows”, Co-PI (\$1,199,998). Jul 2011 – Jun 2016.

2. National Science Foundation CAREER Award: “Improving the Productivity of the Sensor Network Programmer”, PI (\$450,000). Feb 2008 – Jan 2013.
3. National Science Foundation REU Supplement Award (CAREER): “Efficient Multi-Threading for Embedded Networked Systems”, PI (\$16,000). May 2010 – Aug 2010.
4. University Transportation Center Award: “A Distributed Instrument for Measuring Traffic in Short-Term Work Zones”, PI (\$30,404). Aug 2009 – May 2010.
5. CSU Teaching Enhancement Award: “A New Course on iPhone/iPod Touch Application Development”, Co-PI (\$5,000). Nov 2009 – May 2010.
6. 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.
7. CSU Undergraduate Research Award: “Touch-Based Pervasive Computing Exploration”, Co-PI (\$17,170). May 2009 – Aug 2009.
8. National Science Foundation REU Supplement Award (CAREER): “Towards Verifiable Programs for Reactive Systems”, PI (\$16,000). May 2009 – Aug 2009.
9. National Science Foundation REU Supplement Award (MRI): “Towards a Lightweight Highly Dependable Storage System for Home Networks”, Co-PI (\$16,000). May 2009 – Aug 2009.
10. 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.
11. National Science Foundation REU Supplement Award (CAREER): “Improving Work Zone Safety Using Sensor Networks”, PI (\$12,000). May 2008 – Aug 2008.
12. CSU Undergraduate Research Award: “Improving Work Zone Safety using Sensor Networks”, Co-PI (\$18,187). May 2008 – Jul 2008.
13. 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.
14. CSU Teaching Enhancement Award: “Advanced Embedded Systems”, Co-PI (\$5,000). November 2005.
15. Ohio Board of Regents Challenge Grant: “Engineering Component-Based Software”, PI (\$18,500). Aug 2005 – May 2006.

7 Doctoral Dissertation Supervision

1. William P. McCartney. *Simplifying Embedded Systems Programming through Whole-Program Compilers*, May 2011.

8 M.S. Thesis Supervision

1. Prashanth G. Reddy. *Efficient Time of Arrival Calculation for Acoustic Source Localization in Wireless Sensor Networks*, Dec 2011.

2. Adam M. Dutko. *The Relational Database: A New Static Analysis Tool?*, Aug 2011.
3. Sharmila Kollipara. *Evaluation and Comparison of MAC Protocols in Wireless Sensor Networks*, Dec 2010.
4. Irene Magdalla. *Reverse Engineering Aspects to Create Application Class Models*, May 2010.
5. Dheeraj Bheemidi. *A Wrapper-Based Approach to Sustained Time Synchronization in Wireless Sensor Networks*, December 2008.
6. Manohar Bathula. *A Sensor Network System for Monitoring Temporary Work Zones*, December 2008.
7. Hamza A. Zia. *Ensuring Termination of Diffusing Computations in Networks with Message Loss*, December 2007.
8. Sarthak Grover. *Automated Addition of Architectural Software Quality Attributes*, August 2007.
9. Madhu M. Mudigonda. *A Generic Framework for Managing Mobile Sinks in Wireless Sensor Networks*, May 2007.
10. William P. McCartney. *Simplifying Concurrent Programming in Sensornets Using Threading*, May 2006.
11. Dhvanish Chokshi. *A MAC Protocol with Need-Based Scheduling for Wireless Sensor Networks*, December 2005.

9 Current Student Advisees

1. Jason Boyer (MSSE)
2. Gaurav Konchady (MSSE)
3. Greg Glazer (MSEE)
4. Thomas Mis (MSSE)
5. John Rosick (MSSE)
6. Sriram Sanka (MSEE)

10 Conference and Workshop Presentations

1. **Utilization of a Wrist-Mounted Accelerometer to Count Movement Repetitions.**
The 2nd COMSNETS Workshop on Networked Healthcare (NetHealth'12). January 2012.
2. **A Mobility Management Framework for Optimizing the Trajectory of a Mobile Base-Station.**
The 8th European Conference on Wireless Sensor Networks (EWSN'11). February 2011.
3. **A Sensor Network System for Measuring Traffic in Short-Term Construction Work Zones.**
The 5th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS). June 2009.
4. **GenQA: Automated Addition of Architectural Quality Attribute Support for Java Software.**
ACM Symposium on Applied Computing (Software Engineering Track). March 2009.

5. **TOSDev: A Rapid Development Environment for TinyOS.**
Resolve 2007 Workshop (Invited). June 2007.
6. **Decentralized Local Failure Detection in Dynamic Distributed Systems.**
IEEE Symposium on Reliable Distributed Systems (SRDS). Oct 2006.
7. **Dynamic Instantiation-Checking Components.**
ACM Symposium on Applied Computing (SAC). Apr 2006.
8. **A Behavioral Model for Software Containers.**
Fundamental Approaches to Software Engineering (FASE). Mar 2006.
9. **Local Failure Detection in Mobile Distributed Systems.**
Northeast Ohio Networking Workshop (NEONet). Mar 2006.
10. **Reasoning About Parameterized Components with Dynamic Binding.**
Workshop on Specification and Verification of Component-Based Systems at ESEC/FSE. Sep 2003.
11. **Dynamic Module Replacement in Distributed Protocols.**
The 23rd International Conference on Distributed Computing Systems (ICDCS). May 2003.
12. **Generating Configurable Containers for Component-Based Software.**
The 6th ICSE Workshop on Component-based Software Engineering (CBSE6). May 2003.
13. **Lazy Snapshots.**
The 14th Annual Conference on Parallel and Distributed Computing Systems (PDCS). Nov 2002.
14. **Service Facilities: Extending Abstract Factories to Decouple Advanced Dependencies.**
The 7th International Conference on Software Reuse (ICSR7). Apr 2002.

11 Invited Presentations

1. **Software Engineering for Wireless Sensor Networks.**
Birla Institute of Technology and Science, Pilani, India. January 2010.
2. **Sensornets for Measuring Traffic in Short-Term Construction Work Zones.**
Ohio Innovation Summit, Dayton OH, USA. April 2009.
3. **Sensornets for Measuring Traffic in Short-Term Construction Work Zones.**
Department of Electrical Engineering and Computer Science. Case Western Reserve University, Cleveland OH, USA. March 2009.
4. **Improving the Productivity of the Sensor Network Programmer.**
College of Computing. Georgia Tech, Atlanta GA, USA. June 2007.
5. **Improving the Productivity of the Sensor Network Programmer.**
Department of Electrical Engineering. Indian Institute of Science, Bangalore, India. December 2006.
6. **Decentralized Dynamic Reconfiguration in Distributed Protocols.**
Computer Science. Clemson University, Clemson SC, USA. March 2005.
7. **Service Facilities: Dynamically Reconfigurable Parameterized Components.**
Tata Research, Design and Development Center (TRDDC), Pune, India. August 2003.

8. **Software Development for the .NET platform.**
DBA Systems, Chennai, India. August 2003.

12 Teaching Experience

1. **CSA E0-292: Mobile Application Development (Android).** Graduate course at Indian Institute of Science, Bangalore, India. *F11*.
2. **EEC 421/521: Software Engineering.** Graduate course. *F04, F05, F06, S07, F07, S08, F08, F09, F10*.
3. **EEC 522: Software Systems Modeling.** Graduate course. *S06, S07, S09*.
4. **EEC 693/793: Formal Methods in Software Engineering.** Graduate course. *S11*.
5. **EEC 625/725: Software Design & Architecture.** Graduate course. *S06*.
6. **EEC 693/793: iOS Application Development.** Graduate course. *F10*.
7. **EEC 693/793: Wireless Sensor Networks.** Graduate course. *F05, F06, F07, F08, F09*.
8. **EEC 693/793: Software Design.** Graduate course. *S05*.
9. **ESC 120: Introduction to Engineering (Computer & Software).** Undergraduate course. *F09, F10*.

13 Professional Activities and Service

- *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 25th ACM Symposium on Applied Computing (SAC) 2010.
- *Student Support Coordinator.* ACM Conference on Embedded Networked Sensor Systems (SenSys) 2009.
- *TPC Member.* The 11th 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.

14 Department and University Service

- Member of the Academic Steering Committee, Cleveland State University, Nov 2010–present.
- 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–present.
- 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–present.
- 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 & Information Science, OSU. Sep 2000–Aug 2003.
- Graduate representative to various departmental committees, Computer and Information 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.

15 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
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- **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
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- **Dr. Murali Sitaraman, Professor; 864.656.6738**
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210 McAdams, Clemson University, Clemson, SC 29634 USA
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- **Dr. Jason O. Hallstrom, Associate Professor; 864.656.0187**
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