

Curriculum Vitae

Sumanth Yenduri

Chairperson and Professor
Department of Computer Science
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Research Interests

- Software Engineering and Process Development
- Software Metrics/Systems/Modeling/Simulation
- Wireless Sensor Networks
- Big Data

Education

PhD	Computer Science	Louisiana State University, USA	2005
Thesis Title: "An Empirical Study of Data Imputation Techniques for Software Project Data Sets"			
M.S	System Science	Louisiana State University, USA	2002
B.Tech	Computer Science	Andhra University, India	1999

Work Experience

Department of Computer Science, Southeast Missouri State University, MO Professor & Chairperson	08/2017-06/2019
Turner College of Business, Columbus State University, GA Associate Professor & Administrative Fellow	01/2015-7/2017
School of Computing, University of Southern Mississippi, MS Associate Professor & Program Coordinator	07/2010-12/2014
School of Computing, University of Southern Mississippi, MS Assistant Professor	08/2005-05/2010

Publications

Journals

1. Denson Smith, **Sumanth Yenduri**, Sumaiya Iqbal, Md Tamjidul Hoque, Venkata Krishna Parimala, "An Efficient Distributed Protein Disorder Prediction with Pasted Samples", Computers and Electrical Engineering, Elsevier, January, 2018.
2. Rajasekhara Babu Mada, Dhanaraj Cheelu, Chi-Yuan Chen, P. Venkata Krishna, **Sumanth Yenduri**, "An Intelligent Vertical Handoff Decision Strategy Based On Network Performance Prediction and Consumer Surplus Value for Next Generation Wireless Networks", Institute of Engineering and Technology (IET) Networks, 26 pp, DOI: 10.1049/iet-net.2017.0003, March 2017.
3. H. Parveen Sultana, P. Venkata Krishna, **Sumanth Yenduri**, Lydia Ray, "Energy aware medium access control for CPS-based wireless networks", International Journal of Communication Networks and Distributed Systems, InderScience Publishers, February 2016.

4. **Sumanth Yenduri**, Srinivas Vanam, Kondal Reddy Kontham, Chabli Boler, "Auto-Testing AJAX-Based Web Applications", International Journal of Applied Research on Information Technology and Computing, Vol. 4, No.2, pp 96-98, Aug 2013.
5. David Holt, **Sumanth Yenduri**, "Parcel-Based Landuse Control via Spatial Databases", International Journal of Computing & Information Technology, Vol. 5, No. 3, pp 1-7, Aug 2013.
6. David Holt, **Sumanth Yenduri**, "Issues with Unsupervised Classification in Spatial Data", International Journal of Applied Research on Information Technology and Computing, Vol. 3, No. 3, pp 157-161, Dec 2012.
7. Denson Smith, **Sumanth Yenduri**, "Comparison of Bug Detection and Correction in Joomla 1.5 and Joomla 1.6", International Journal of Computing & Information Tech., Vol. 4, No. 1, pp 37-44, 2012.
8. Chabli Boler, **Sumanth Yenduri**, Wei Ding, Louise Perkins, John Harris, "To Shift or Not To Shift: Maximizing the Efficiency of a Wireless Sensor Network", International Journal of Networked Computing and Advanced Information Management, Vol.1, No.1, pp 66-73, Oct 2011.
9. Kevin Byrd, Louise Perkins, **Sumanth Yenduri**, "Tri-State Boolean Satisfiability with Commit: An Efficient Partial Solution with Hyperlogic", International Journal of Computing & Information Technology, Vol. 3, No. 2, pp. 71-79, Dec 2011.
10. Satapathy Suresh Chandra, Naik Anima, **Sumanth Yenduri**, "A new cluster validity measure for simultaneously dealing with datasets having different densities, shapes and sizes and providing optimal partitions", International Journal of Applied Research on Information Technology and Computing, Vol. 2, No. 1, pp 38-49, Aug 2011.
11. Louise Perkins, Chabli Boler, **Sumanth Yenduri**, Wei Ding, "Directory/File Management System (DFMS) Vs Database Management System (DBMS)", International Journal of Computing & Information Technology, Vol.2, No.2, pp 189-194, Dec 2010.
12. Louise Perkins, **Sumanth Yenduri**, "A Three Point Smoothing Interpolant", International Journal of Applied Research on Information Technology and Computing, Vol. 1, No. 2, pp 170-174, July, 2010.
13. **Sumanth Yenduri**, Louise Perkins, Md. Sarder, "An Analysis of Programming Language: "D", Journal of International Technology and Information Management, Vol. 16, No. 3, pp 87-91, 2008.
14. Tom Rishel, Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, "Determining the Context of Text Using Augmented Latent Semantic Indexing", Journal of the American Society for Information Science (JASIS), 58(17), pp 2197-2204, Dec 2007.
15. Jana Rocker, Christopher M. Yauch, **Sumanth Yenduri**, Louise Perkins, Farnaz Zand, "Paper-Based Dichotomous Key To Computer Based Application For Biological Identification", Journal of Computing Sciences in Colleges, Vol. 22, No. 5, pp 30-38, May 2007 (with ACM/SIGCSE).
16. **Sumanth Yenduri**, S.S. Iyengar, "Performance Evaluation of Imputation Methods for Incomplete Datasets", International Journal of Software Engineering and Knowledge Engineering, Vol. 17, No. 1, pp 127-152, Feb 2007.
17. **Sumanth Yenduri**, S.S. Iyengar, "Performance Measurement of an Agglomerative Clustering Algorithm for Data Enhancement", Global Engineering Science and Technology Society's Intl. Transactions on Computer Science and Engineering Journal, Vol. 28, No. 1, pp 109-120, Feb 2006.
18. Cheruku Venkateswarulu, **Sumanth Yenduri**, S.S. Iyengar, "Measuring Classification Accuracies Using Improved Thermal Infrared Data", International Journal of Computing, Vol. 2, No. 3, pp 137-143, Dec 2003.

Conference Proceedings

1. P. Venkata Krishna, Mohammad S. Obaidat, Sudip Misra, S. Sivanesan, **Sumanth Yenduri**, "Designing and Prototyping Utility Management Using Hybrid Wireless-Wired Network Technologies", 2017 International Conference on Platform Technology and Service, Busan, Korea, Feb 13-15, 2017.
2. **Sumanth Yenduri**, Neelesh Kurra, "Software Functionality Feedback Via User Comment Analysis", National Conference on Parallel Computing Technologies, India, Feb 19-20th, 2015.

3. Sanjiban Sekhar Roy, P Venkata Krishna and **Sumanth Yenduri**, "Analyzing Intrusion Detection System: An Ensemble based Stacking Approach", IEEE International Symposium on Signal Processing and Information Technology, Noida, India, Dec 15-17, 2014.
4. Chabli Boler, **Sumanth Yenduri**, "Resilient Multi Sink Networks Using Simplistic Hop based Routing", 11th International Conference Information Technology: Next Generations (ITNG 2014), Las Vegas, Nevada, pp 192-195, April 7-9 2014.
5. Alex Elliot, Louise Perkins, **Sumanth Yenduri**, "A Parameterization Study of Short Read Assembly Using the Velvet Assembler", International Conference on Information Systems Design and Intelligent Applications (INDIA), Lecture Notes in Computer Science-Springer, Vishakapatnam, India, Vol. 132, pp 179-186, Jan 5-7 2012.
6. A. Louise Perkins, David E. Sallis, **Sumanth Yenduri**, "An Examination of Word Stemming in Latent Semantic Index Searches", 4th International Conf. on Recent Trends in Computing, Communication and Information Technologies (OBCOM), Communications in Computer and Information Science Series-Springer, Part II, CCIS 270, pp 1-4, Vellore, India, Dec 9-11, 2011.
7. Steven Spansel, Louise Perkins, **Sumanth Yenduri**, David Holt, "A Bayesian Network Riverine Model Study" Fuzzy and Neural Computing Conference (FANCCO), Lecture Notes in Computer Science-Springer, Part I, 7076 series, pp 452-459, Dec 19-21, India, 2011.
8. Wei Ding, Yinbing Yu, **Sumanth Yenduri**, "Energy Saving by Centralized Sleep in Early Detection of Captured Nodes", IEEE International Workshop on Robotic and Sensors Environments, Phoenix, Arizona, pp 92-97, Oct 15-16, 2010.
9. Wei Ding, Yinbing Yu, **Sumanth Yenduri**, "Distributed First Stage Detection for Node Capture", IEEE Globecom 2010 Workshop on Web and Pervasive Security, Miami, USA, pp 1566-1570, Dec 6-10, 2010.
10. Wei Ding, Bireshwar Laha, **Sumanth Yenduri**, "First stage detection of *Compromised Nodes* in Sensor Networks", IEEE Sensor Applications Symp., Limerick, Ireland, pp 20-24, Feb 23-25, 2010.
11. Md. Sarder, **Sumanth Yenduri**, "Production Design by Simulation Software "Witness" - A Case Study", IEEE Proc. of the **2009 World Congress on Computer Science and Information Engineering (CSIE 2009), Software Engg. Symposium**, Los Angeles/Anaheim, USA, *Mar 31 - Apr 2, 2009*.
12. Md. Sarder, Md. Rahman, **Sumanth Yenduri**, "Leaning Reverse Logistics Operations", 2009 Industrial Engg., Research Conference (IERC), pp 780-786, Miami, FL, USA, May 30 - June 3, 2009.
13. Wei Ding, **Sumanth Yenduri**, "On Mobility of MANETs-Overlaid P2P Rings", International Conference on Wireless Networks (ICWN '08), NV, USA, pp 475-481, July 14-17, 2008.
14. Louise A. Perkins, **Sumanth Yenduri**, Farnaz Zand, "Visual Analysis of Limited Area Boundary Conditions", Proceedings of the 2008 International Conference on Modeling, Simulation and Visualization Methods (MSV '08), Las Vegas, NV, USA, pp 96-101, July 14-17, 2008.
15. Joe Kutner, Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, Joe Zhang, "AOP Maintains an Independent Coordinate System", The 5th International Conference on Information Technology: New Generations (ITNG 2008), Las Vegas, Nevada, USA, pp 1290-1291, April 7-9, 2008.
16. Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, S.S. Iyengar, "Object Oriented Constructs for Grid Based Calculations Using Abstract Donor and Receiver Designations", The 2nd Intl. Conference on Information Systems, Technology and Management (ICISTM 08), Dubai, Mar 6-8, 2008.
17. Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, S.S. Iyengar, "A Compile Time Configurable, Load Time Modifiable Ocean Model", The 2nd Intl. Conference on Information Systems, Technology and Management (ICISTM 08), Dubai, Mar 6-8, 2008.
18. **Sumanth Yenduri**, Sravanthi Munagala, Louise Perkins "Estimation Practices Efficiencies: A Case Study", IEEE Proceedings of International Conference on Information Technology (ICIT 2007), Rourkela, India, pp 185-189, Dec 17-20, 2007.
19. **Sumanth Yenduri**, Sravanthi Munagala, Louise Perkins, Farnaz Zand, "Industrial Practices in Project Estimation: A Case Study", 18th IEEE International Symposium on Software Reliability Engineering (ISSRE 2007), Trollhättan, Sweden, 5-9 Nov, 2007.

20. **Sumanth Yenduri**, Sravanthi Munagala, Louise Perkins, “Revisiting Requirements Analysis to Enhance Software Quality and Reliability”, 18th IEEE International Symposium on Software Reliability Engineering (ISSRE 2007), Trollhättan, Sweden, 5-9 Nov, 2007.
21. Clark Duplichein, Stephen Adamec, **Sumanth Yenduri**, Louise Perkins, “Bootable Utility for Balanced Benchmarking and Archiving”, IEEE Fourth International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2007), Dortmund, Germany, pp 244-248, Sept 6-8, 2007.
22. Sravanthi Munagala, **Sumanth Yenduri**, Louise Perkins, Farnaz Zand, “International Versus US Student Enrollment Into Graduate Programs In Computer Science” American Society for Engineering Education Southeastern Section Annual Conf. on the “Advancing Scholarship in Engg. Education: Lessons Learned from a Year of Dialogue”, Univ. of Louisville, KY, USA, April 1-3 2007.
23. Clark Duplichein, Stephen Adamec, **Sumanth Yenduri**, Brent Marshall, Louise Perkins, Farnaz Zand, “SHIELD UP: An Addictive 2-Dimensional Play”, The 45th ACM Southeast Conference, **Winston-Salem, NC, USA, pp 304-309, March 23-24, 2007.**
24. **Sumanth Yenduri**, Louise Perkins, “Impact of Using Test-Driven Development: A Case Study”, Proceedings of the 2006 Intl. Conference on Software Engg. Research and Practice (SERP '06), Las Vegas, NV, USA, pp 126-129, June 26-29, 2006.
25. Tom Rishel, Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, S.S. Iyengar “Augmentation of a Term/Document Matrix with Part-of-Speech Tags to Improve Accuracy of Latent Semantic Analysis”, The 5th WSEAS International Conference On Applied Computer Science (ACOS '06), Hangzhou, China, pp 573-578, April 16-18, 2006.
26. **Sumanth Yenduri**, “An Agglomerative Algorithm for Data Imputation”, IEEE Proc. of the Third Intl Conf. on Information Tech: New Generation (ITNG 2006), NV, USA, pp 34-39, April 10-12, 2006.
27. **Sumanth Yenduri**, S.S. Iyengar, “Analysis of Incomplete Software Project Datasets Using Structural Equation Modeling”, Proceedings of the **9th World Multi-Conference on Systemics, Cybernetics and Informatics (SCI 2005), Orlando, FL, USA, pp 358-363, July 10-13, 2005.**
28. **Sumanth Yenduri**, S.S. Iyengar, “A Survey of Data Imputation Methods and Tools for Software Project Data Sets”, Proceedings of the **9th World Multi-Conference on Systemics, Cybernetics and Informatics (SCI 2005), Orlando, FL, USA , pp 403-408, July 10-13, 2005.**
29. **Sumanth Yenduri**, S.S. Iyengar, Louise Perkins, “Improving Prediction Accuracies using Data Imputation Methods”, Proceedings of the 2006 Intl. Conference on Software Engg. Research and Practice (SERP '05), Las Vegas, NV, USA, pp 741-747, June 27-30, 2005.
30. **Sumanth Yenduri**, Kanthi Kumar Adapa, S.S. Iyengar, Ravi Paruchuri, “A Methodology to Increase Security in Wireless Networks”, Proceedings of the **8th World Multi-Conference on Systemics, Cybernetics and Informatics (SCI 2004), Orlando, FL, USA, July 18-21, 2004.**
31. **Sumanth Yenduri**, Louise Perkins, S.S. Iyengar, “A Multi-Purpose Tool Kit for Program Analysis”, 2004 Midwest Soft Engg. Conf. (MSEC 2004), Chicago, IL, USA, April 30, 2004.
32. Cheruku Venkateswarlu, **Sumanth Yenduri**, S.S. Iyengar, “Digital Analysis of Thermal Infrared Imagery using Temperature Mapping”, IEEE Proceedings of the International Conference on Information Technology (ITCC 2004), Las Vegas, NV, USA, pp 682-688, April 5 -7, 2004.
33. Louise Perkins, **Sumanth Yenduri**, Jim Corbin, Avichal Mehra, S.S. Iyengar, “Retrieving Critical Information by Code Analysis”, Proceedings of the Mid Atlantic Student Workshop on Programming Languages and Systems (MASPLAS 2004), NJ, USA, April 2, 2004.

Books

- P. Venkata Krishna, **Sumanth Yenduri**, Eunmi Choi, “International Journal of Communication Networks and Distributed Systems (IJCNDS), Special Issue - Intelligent Systems Architectures for Big Data, **Guest Editor**, Volume 15, No. 2/3, June 15, 2015.
- **Sumanth Yenduri**, “Advances in Computer Science”, **Editor**, Proceedings of the 6th WSEAS European Computing Conference (ECC '12), ISBN: 978-1-61804-126-5, September 2012.

- **Sumanth Yenduri** et al., “Proceedings of the WRI World Congress on Computer Science and Information Engineering”, **Co-Editor**, IEEE Computing Services, ISBN: 9780769535074, March-April 2009.
- **Sumanth Yenduri**, “An empirical study of imputation techniques for software data sets”, Doctoral Dissertation, Publisher: ProQuest/UMI, ISBN: 0542254948, March 2006.

Book Reviews

- 1) Concepts of Programming Languages, 10th/11th Edition, Robert W. Sebesta, 2014-15.
- 2) Designing the User Interface: Strategies for Effective Human-Computer Interaction, Upcoming Edition, by Ben Shneiderman, Catherine Plaisant, 2015.

Awards and Grants

- GenCyber, National Security Agency, \$28,000, January 2017.
- Recruitment Grant, Provost Office, Columbus State University, \$500, 2016.
- University Grant, Research, Columbus State University, \$1344, 2016.
- Recruitment Grant, Provost Office, Columbus State University, \$310, 2015.
- CORE-ECS Visualization Training and Development Phase II, CORE, \$48,986, PI’s: Joe Swaykos, Conrad Johnson, Sumanth Yenduri, Feb 1, 2012 – Dec 31, 2012.
- Butch Oustalet Distinguished Professorship Award for Research, Univ. of Southern Miss., 2010.
- “Labvolt 16-bit and 32-bit microprocessor training systems”, Keesler Air Force Base, \$ 20,000, PI’s: Louise Perkins, Sumanth Yenduri, August 2009.
- The Association of Computer Electronics and Electrical Engineers (ACEEE) Fellow, 2009 - *...the grade of ACEEE Fellow (Fellow, ACEEE) is conferred upon a person of distinction and outstanding qualifications, and who has made extraordinary contributions.....*
- CORE-ECS Visualization Training and Development Phase II, CORE, \$701,282, PI’s: Joe Swaykos, Conrad Johnson, Sumanth Yenduri, Feb 1, 2008 – Oct 31, 2008.
- Graduate Student Recruitment Proposal, Dean’s Initiative, \$10,000, PI’s: Sumanth Yenduri, Louise Perkins, Dec 2007-Dec 2008.
- 3-D CAVE SGI Visualization System, Center For Higher Learning, NASA Stennis Space Research Center, \$350,000, PI’s: Louise Perkins, Sumanth Yenduri, Farnaz Zand, May 2007.
- Faculty Startup Award, School of Computing, Univ. of Southern Mississippi, 2005-2007 (\$38,000).
- Graduate Travel Grant, Graduate School, Louisiana State University, May 2004 (\$250).

Professional Activities

- **Program Committee Member:** Second International Conference on Advanced Wireless Information and Communication Technologies, India, 2018.
- **International Advisory Board:** 5th Int.Conf. on Mathematics and Computers in Sciences and Industry, Corfu Island, Greece, August 25-27, 2018.
- **Technical Program Committee:** 2nd International Conference On Networking, Communication & Computing Technologies (ICNCCT 2018), Paris, France, May 18 - 19, 2018.
- **Technical Program Committee:** European Conference on Electrical Engineering and Computer Science (EECS), Bern, Switzerland, Nov 20-22, 2018.
- **International Advisory Board:** UNICODE-2018: 1st International Conference on Universal Computing, Communications and Data Engineering, Sri Padmavati Mahila University, Tirupati, India, February 7-8, 2018.
- **Program Committee Member:** Second International Conference on Advanced Wireless Information and Communication Technologies, India, 2018.
- **Program Committee Member:** International Symposium on Sensor Networks, Systems and Security, Sep 1-2, Florida Polytechnic University, Sept 1-2, 2017.

- **Editorial Board:** International Journal of Smart Grid and Green Communications, Inder Science Publishers, 2016.
- **Technical Program Committee:** The 3rd International Conference on Systems and Informatics, ICSAI 19-21 November, Shanghai, China, 2016.
- **Scientific Committee Member:** 4th international conference on circuits, systems, communications, computers and applications, CSCCA, 2015.
- **Program Committee Member:** International Conference on Advances in Computer Engineering, ACE, 2012-Present.
- **Editorial Advisory Board:** Security Solutions and Applied Cryptography in Smart Grid Communications, IGI Global, 2015.
- **International Advisory Committee Member:** International Joint Journal Conferences in Computer Electronics and Electrical, CEE, 2011-Present.
- **Associate Editor-in-Chief:** International Journal of Digital Content Technology and its Applications, 2010-Present.
- **Editorial/Advisory Board:** Intl. Journal of Applied Research on Information Tech. and Computing, 2010-Present.
- **Editorial Board Member:** Advances in Information Sciences and Service Sciences, 2009-Present.
- **International Advisory Committee Member:** International Joint Journal Conference in Engineering (IJJCE), India, (2009-Present)
- **Editorial Board:** International Journal of Computing & Information Technology, 2008-Present.
- **International Advisory Committee/Technical Committee:** Proceedings of the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2013 and 2014.
- **Publicity Co-chair:** The 6th International Conference on Information Systems, Technology and Management (ICISTM), March 28-30, 2012, France.
- **Editorial Board:** SCICON: International Association of Science and Engineering Congress, 2011.
- **Program Committee Member:** International Conference on Information Technology, Systems and Management (ITSM), 17-18th Dec, 2011, Kozhikode, India.
- **Technical Co-chair:** 4th International Conference on Recent trends in Computing, Communication and Information Technologies (Obcom), 9-11th Dec, 2011, Vellore, India.
- **International Advisory Board:** 4th International Conference on Recent trends in Computing, Communication and Information Technologies, 9-11th Dec, 2011, Vellore, India.
- **International Advisory Committee Member:** Joint International Conference on Swarm Evolutionary and Memetic Computing (SEMCCO) & Fuzzy and Neural Computing Conference (FANCCO), Dec 19-21, India, 2011.
- **Editorial Board Member:** International Journal of Software Engineering Research, 2011.
- **Session Chair:** Joint International Conference on Swarm Evolutionary and Memetic Computing (SEMCCO) & Fuzzy and Neural Computing Conference (FANCCO), Vizag, India, Dec 19-21, 2011.
- **Technical Chair:** International Symposium on Computing Control and Instrumentation Applications, ISCCIA 2011, Dec 23-25, Bhubaneswar Engineering College.
- **Editorial Board Member:** International Journal of Intelligent Information Processing, 2010.
- **International Advisory Member:** 2009 International Conference on Advances in Computing, Control, and Telecommunication Technologies, Trivandrum, Kerala, India, Dec 28-29, 2009.
- **Publication Co-Chair:** International Joint Conference on Bioinformatics, Systems Biology and Intelligent Computing (*IJCBS*), Shanghai, China, August 2-6, 2009.
- **Symposium Chair:** 2009 World Congress on Computer Science and Information Engineering (CSIE 2009), Los Angeles/Anaheim, CA, March 31-April 2, 2009.
- **Scientific Committee Member:** The 9th WSEAS International Conference on Multimedia Systems and Signal Processing (MUSP '09), Hangzhou, China, May 20-22, 2009.
- **Technical Program Committee Member:** The 2nd International Conference on Information Systems, Technology and Management (ICISTM 08), March 6-8, Dubai.

- **Scientific Committee Member:** The 7th WSEAS International Conference on Applied Computer & Applied Computational Science, (ACACOS '08), Hangzhou, China, April 6-8, 2008.
- **Session Chair:** Information Systems and Management Track, Software Engg., 2nd International Conf. on Information Systems, Tech. and Management (ICISTM 08), March 6th, 2008, Dubai.
- **Scientific Committee Member:** The 7th WSEAS International Conference on Signal, Speech and Image Processing (SSIP '07), Beijing, China, September 15-17, 2007.
- **Scientific Committee Member:** The 7th WSEAS International Conference on Multimedia, Internet & Video Technologies, (MIV '07) Beijing, China, September 15-17, 2007.
- **Scientific Committee Member:** The 7th WSEAS International Conference on Distance Learning and Web Engineering (DIWEB '07), Beijing, China, September 15-17, 2007.
- **Scientific Committee Member:** The 6th WSEAS International Conference on Applied Computer Science, (ACOS 07), Hangzhou, China, April 15-17, 2007.
- **Scientific Committee Member:** The 6th WSEAS International Conference on Instrumentation, Measurement, Circuits and Systems, (IMCAS '07), Hangzhou, China, April 15-17, 2007.
- **Scientific Committee Member:** The 7th WSEAS International Conference on Robotics, Control and Manufacturing Technology, (ROCOM '07), Hangzhou, China, April 15-17, 2007.
- **Program Committee Member:** The 2007 International Conference on Software Engineering Research and Practice (SERP 06), June 25-28, Las Vegas, Nevada, USA.
- **Publicity Co-Chair:** Fourth International Conference on Bridging the Digital Divide: Asian Applied Computing Conf. (AACC 2007), June 8-10, Khatmandu, Nepal.
- **Publicity Co-Chair:** Third International Conf. on Innovative Applications of Info. Tech. for the Developing World: Asian Applied Computing Conf. (AACC 2005), Dec 10-12, Khatmandu, Nepal.
- **Program Committee Member:** The 2006 International Conference on Software Engineering Research and Practice (SERP 06) and the 2006 International Conference on Programming Languages and Compilers (PLC 06), June 26-29, Las Vegas, Nevada, USA.
- **Scientific Committee Member:** The 10th WSEAS International Conference on Computers, Vouliagmeni, Athens, Greece, July 13-15, 2006.

Workshops/Talks/Posters

- Sumanth Yenduri, “**To Shift or Not to Shift: Maximizing the Efficiency of a Wireless Sensor Network**”, Guest Seminar, IEEE section, University of Hyderabad, Jan 17th, 2012.
- Sumanth Yenduri, “**To Shift or Not to Shift: Maximizing the Efficiency of a Wireless Sensor Network**”, Guest Speech, International Conference on Information Systems Design and Intelligent Applications (INDIA), Vizag, India, Jan 5-7, 2012.
- Sumanth Yenduri, “**Theory of Computing and Applications**”, International Conference on Information Systems Design and Intelligent Applications (INDIA), Vizag, India, Jan 5-7, 2012. (Workshop)
- Sumanth Yenduri, “**To Shift or Not to Shift: Maximizing the Efficiency of a Wireless Sensor Network**”, Key Note Speech, International Workshop on Intelligent Computing and Applications, IWICA, Jan 6-7th, 2012, MVGR College, Vijayanagaram, India.
- Sumanth Yenduri, “**How to conduct research??**”, International Symposium on Computing Control and Instrumentation Applications, Key Note Speech, ISCCIA 2011, Dec 23-25, Bhubaneswar Engineering College, Bhubaneswar, India.
- Sumanth Yenduri, “**Theory of Computing and Applications**”, International Symposium on Computing Control and Instrumentation Applications, ISCCIA 2011, Dec 23-25, Bhubaneswar Engineering College, Bhubaneswar, India.(Workshop)
- Sumanth Yenduri, “**To Shift or Not to Shift: Maximizing the Efficiency of a Wireless Sensor Network**”, Invited Talk, Joint International Conference on Swarm Evolutionary and Memetic Computing (SEMCCO) & Fuzzy and Neural Computing Conference (FANCCO), Vizag, India, Dec 19-21, 2011.

- Wei Ding, Sumanth Yenduri, “**On Mobility of MANETs-Overlaid P2P Rings**”, Proceedings of the 2008 International Conference on Wireless Networks (ICWN '08), NV, USA, July 14-17, 2008.
- Louise Perkins, Sumanth Yenduri, Farnaz Zand, “**A Distributed Geographic Information Emergency Awareness Database (DiGIEAD)**”, Letters Day, USM, Aug 31, 2007.
- Louise Perkins, Sumanth Yenduri, Farnaz Zand, “**A Distributed Geographic Information Emergency Awareness Database (DiGIEAD)**”, Gulf States Alliance-“Network Science and Recovery, Beau Rivage, Biloxi, Aug 19-21, 2007.
- Louise Perkins, Tom Rishel, Farnaz Zand, Sumanth Yenduri, A Perkins, “**Complied English**” Mississippi Academy of Sciences, 2006.
- Louise Perkins, Sumanth Yenduri, Farnaz Zand, “**Operations Research for disaster Recovery**”, 2nd Annual Global Policy and Development Conference, 2006.
- Sumanth Yenduri, Louise Perkins, Sravanthi Munagala, Farnaz Zand, “**E-Servicing: The Uses and Importance of the New IEEE Standard**”, Mississippi Academy of Sciences, 2006.
- Srinivas Kumar Vinnakota, Nina Lam, Sumanth Yenduri, “**Spatial Association Rule Mining of Cancer Mortality with respect to Demographic & Environmental Factors**”, 2005 Meeting of The American Assc. of Geographers, Denver, CO, April 5-9 2005.
- Sumanth Yenduri “**Advanced Topics of Presentation Software**” – Research Education for Undergraduates Program (REU), June 2, 2003 & Feb 17, 2004.
- Louise Perkins, Gregg Smith, M. Balasubramanian, D. Nethi, Sumanth Yenduri, Prasanth Pasala, Kanthi Adapa, “**Implicit Static Assumptions Within the ISO 7-layer Network Architecture**”, Alliance for Graduate Education in Mississippi (AGEM), Univ., of Southern Mississippi, MS, 2002.
- Sumanth Yenduri, Louise Perkins, “**Optical Networks**”, Alliance for Graduate Education in Mississippi (AGEM), Univ., of Southern Miss., Hattiesburg, MS, 2002.

Reviewer

- 2nd International Conference on: Applied Physics, System Science and Computers, Dubrovnik, Croatia, September 27-29, 2017
- Adaptive access control for energy saving in hybrid energy powered cellular networks, International Journal of Communication Systems, 2016
- Dynamic Colour Table: A Novel S -box for Cryptographic Applications, International Journal of Communication Systems, 2016
- A Quantitative Study of Domain Specific Languages for Model Driven Security, AISS, 2015
- Security Solutions and Applied Cryptography in Smart Grid Communications, IGI Global, Editorial Advisory Board, 2015
- International Journal of Digital Content Technology and its Applications, 2013
- International Conference on Information Systems Design and Intelligent Applications (INDIA), Vizag, India, Jan 5-7, 2012
- Joint International Conference on Swarm Evolutionary and Memetic Computing (SEMCCO) & Fuzzy and Neural Computing Conference (FANCCO), Vizag, India, Dec 19-21, 2011
- 4th International Conference on Information Systems, Tech. and Management, Mar 10-12, 2010
- International Conference on Advances in Computing, Control and Telecommunication Tech., 2009
- International Conference on Advances in Recent Tech., in Communication & Computing, 2009
- International Journal on Advances in Information Sciences and Service Sciences, 2010
- International Journal of Applied Research on Information Technology and Computing, 2010-2013
- International Journal of Computing & Information Technology, 2008-2010
- Journal of Super Computing, 2008
- IEEE International Geoscience and Remote Sensing Symposium, Boston, 2008
- The 2nd International Conference on Information Systems, Tech. & Management (ICISTM 2008)
- Kuwait Journal of Science and Engineering, 2007, 2008
- Software Quality Journal, 2007
- Artificial Intelligence in Medicine, 2007

- Journal of Medical Systems, 2007, 2008
- The 6th WSEAS Int. Conf. on Applied Computer Science (ACOS '07)
- The IEEE Wireless Communications & Networking Conf. (WCNC 2007), Hong Kong
- ACS First Intl. Conference on Global Software Development, 26 - 28 July 2006, Tamil Nadu, India
- Sensors Journal, Special Issue: Intelligent Sensors, June 2006
- International conference of High Performance Grid Computing, Denver, CO, 2005
- International Journal of Scientific Computing, 2005
- International Journal of Software Engineering and Knowledge Engineering, 2005
- Journal of Parallel and Distributed Computing, 2005
- International Conference on Agile Manufacturing, 2003
- Journal of Robotic Systems, 2003
- IEEE Second International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, (IDAACS 2003) Lviv, Ukraine September 8 - 10, 2003
- IEEE International Symposium on Signal Processing and Information Technology ISSPIT 03, Darmstadt, Germany, Dec 14 – 17, 2003
- Pattern Recognition Letters, 2003

Other Research Contributions

- Worked with Dr. S.S. Iyengar, Dr. E. C. Cho and Dr. Vir Phoha for “**Foundations in Wavelet Analysis and Applications**”, CRC Press, June 2002.
- Worked with Dr. S.S. Iyengar, and Dr. R.R. Brooks for “**Distributed Sensor Networks**”, Chapman & Hall/CRC Press, Dec 2004.

Detailed Course Experience

At LSU: Introduction to Computers in Society (Including Lab), Introduction to Discrete Mathematics, Numerical Methods and Fortran, Advanced Numerical Methods, Operating Systems, Compiler Construction, Systems Design, Introduction to Object Oriented Programming Using JAVA, Assembly Language Programming.

At USM: Introduction to Programming Languages, Software Engineering I, Software Engineering Lab, Language Theory, Software Engineering II, Computers and Society, Introduction to Computing, Introduction to Artificial Intelligence, Artificial Intelligence, Introduction to Computer Systems, Formal Languages and Automata Theory, Computer Organization, Internet Concepts, Advanced Internet Concepts, Computer Graphics, Computer Networks, Introduction to Database Management Systems, Formal Methods in Programming Languages, Computer Science Problems I, Computer Science Problems II, Topics in Computer Science, Directed Study, Independent Study, Thesis and Project.

At CSU: Senior Software Project, Theory of Computation, Software Project Planning and Management, Advanced Software Design, Computer Architecture, Software Engineering I, Advanced Programming Languages, Networks and Internet Security, Introduction to Computer Systems.

At SEMO: Software Engineering I, Senior Capstone, Seminar, CS Assessment, Formal Methods and Systems, Programming Languages, Advanced Software Engineering.

University Committees

Southeast Missouri State University

- Faculty Senate Task Force for Recruitment and Retention (2019-Present)
- Graduate Task Force University Committee (2017-2018)
- AACSB Accreditation Committee (2018-Present)
- College Council (2017-Present)

- Advisory role in all departmental committees (2017-Present) (ABET, Curriculum, Graduate, Foundation)

Columbus State University (2015-2017)

- Graduate Advisory Research Committee (2016-2017)
- Strategic Planning Committee (2016–2017)
- College Faculty Resource Development Committee (2015-2017)
- School of Computer Science Administrative Team (2016-2017)
- Graduate Program Committee (2015-2017)
- Curriculum Mapping Committee (2016–2017)
- Plagiarism Committee (2015-2017)
- Software Development Track Subcommittee (2015-2016)
- Faculty Search Committee (2016-2017)
- ABET Committee (2016-2017)
- Active participant: Graduate Council and Provost International Council Committee (2016-Present)

University of Southern Mississippi (2005-2014)

- Learning Commons Advisory Board (2012-2014)
- Hiring Committee Member (Student Service Coordinator-2012)
- Coordinator (2011-2014)
- Gulf Coast Faculty Council Member (2011-2013)
- ABET Committee Chair (2011-2014)
- Adjunct Faculty Committee, Member, USM-Gulf Park Campus (2011-2014)
- Faculty Hiring Committee Chair, School of Computing, 2011
- Disaster Preparedness Committee, CoST, USM-Gulf Park Campus (2010)
- Graduate Admissions Committee, School of Computing (2010–2014)
- Technology Committee, USM-Gulf Park Campus (2009-2014)
- Staff Awards Committee, University of Southern Mississippi (2009-2014)
- Faculty Search Committee, School of Computing (2008–2010)
- Research Colloquium Committee, School of Computing (2008–2014)
- Student Recruitment Committee, School of Computing (2008–2014)
- College of Science and Technology Scholarship Committee (2007–2014)
- 2 Course Cluster Committees (Software Engineering and Theory of Computing), CoST, Hattiesburg (2006 - 2014)
- Enrollment and Scheduling Committee, CoST, Gulf Coast (2007-2008)
- Gulf Coast Faculty Council (2005-2008)