

Sumanth Yenduri

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Office Location: Room 136 A, Student Services Center, Gulfport, MS

Education

PhD	Computer Science	Louisiana State University, USA	2005
Thesis Title: “ <i>An Empirical Study of Data Imputation Techniques for Software Project Data Sets</i> ”			
Advisor: Dr. S.S. Iyengar (GPA: 3.9)			
M.S	System Science	Louisiana State University, USA	2002
(GPA: 4.0)			
B.Tech	Computer Science	Andhra University, India	1999

Work Experience

Department of Computer Science, University of Southern Mississippi, MS
Assistant Professor

08/2005-Present

Research Interests

- Software Engineering and Process Development
- Software Metrics/Systems/Modeling
- Programming Languages
- Data Imputation Algorithms
- Scientific Visualization

Publications (Since 2005)

Refereed Journal Publications

1. **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.
2. 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, December 2007.
3. Jana Rucker, 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, Volume 22, Number 5, pp 30-38, May 2007 (with ACM/SIGCSE).
4. **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.
5. 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”, WSEAS Transactions on Computers, Issue 6, Volume 5, Pg 1361-1366, June 2006.
6. **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, Issue 1, pp. 109-120, Feb 2006.

Refereed Conference Proceedings

1. 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.
2. Md. Sarder, Md. Rahman, **Sumanth Yenduri**, "Leaning Reverse Logistics Operations", 2009 Industrial Engineering Research Conference (IERC), Miami, FL, USA, May 30 - June 3, 2009.
3. 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.
4. 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, July 14-17, 2008.
5. 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), pp. 1290-1291, April 7-9, 2008, Las Vegas, Nevada, USA.
6. Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, S.S. Iyengar, "Object Oriented Constructs for Grid Based Calculations Using Abstract Donor and Receiver Designations", The 2nd International Conference on Information Systems, Technology and Management (ICISTM 08), March 6-8, Dubai.
7. Louise Perkins, **Sumanth Yenduri**, Farnaz Zand, S.S. Iyengar, "A Compile Time Configurable, Load Time Modifiable Ocean Model", The 2nd International Conference on Information Systems, Technology and Management (ICISTM 08), March 6-8, Dubai.
8. **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.
9. **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 November, 2007.
10. **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 November, 2007.
11. 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), pp. 244-248, Dortmund, Germany September 6-8, 2007.
12. 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.
13. 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.
14. **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.
15. 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.
16. **Sumanth Yenduri**, "An Agglomerative Algorithm for Data Imputation", IEEE Proceedings of the Third Intl Conf. on Information Tech: New Generation (ITNG 2006), NV, USA, pp. 34-39, April 10-12, 2006.

17. **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.
18. **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.
19. **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.

Books

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

Professional Activities in 2009

- **Editorial Board Member:** International Journal of Computing & Information Technology, 2008-09.
- **International Advisory Committee Member:** International Joint Journal Conference in Engineering (IJJCE), India, 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 4th International Conference on Information Systems, Technology and Management (ICISTM 10), Dubai, 2009.

University Activities in 2009

- Faculty Search Committee, School of Computing (2008 – Present)
- Research Colloquium Committee, School of Computing (2008 – Present)
- Student Recruitment Committee, School of Computing (2008 – Present)
- College of Science and Technology Scholarship Committee (2007 – Present)
- 2 Course Cluster Committees (Software Engineering and Theory of Computing), CoST, Hattiesburg (2006-Present)