

Santhosh Kumar G

CONTACT INFORMATION	Professor Department of Computer Science Cochin University of Science and Technology Cochin, Kerala 682 022 India	<i>Voice:</i> (+91) (484) 2577126-2306 <i>Fax:</i> (+91) (484) 2577087 <i>E-mail:</i> san@cusat.ac.in <i>WWW:</i> cs.cusat.ac.in/san.jsp
EDUCATION	Cochin University , Cochin, Kerala India Ph.D., Faculty of Technology, October 2011 <ul style="list-style-type: none">• Dissertation Topic: “Energy-Efficient Cluster based Routing Schemes for Static and Mobile Sensor Networks”• Advisor: K. Poullose Jacob M.Tech., Computer and Information Science, 1999 M.Phil., Physics, 1997 M.Sc., Physics, 1995 M.G. University , Kottayam, Kerala India B.Sc., Physics, 1992	
PROFESSIONAL EXPERIENCE	Department of Computer Science, Cochin University of Science and Technology , Cochin, Kerala, India <i>Professor</i> <i>Associate Professor</i> <i>Assistant Professor</i>	March, 2017 - till date March, 2014 - March, 2017 date March, 2001 - March, 2014
	Tao Information Technology , Bangalore, India <i>Senior Analyst Programmer</i>	January, 2000 - February, 2001
	Infortech SDN, BHD , KL, Malaysia <i>Analyst Programmer</i> Worked for R& D division of Fujitsu, Japan	July, 1999 - December, 1999
RESEARCH INTERESTS	Cyber Physical Systems, Computer Vision, Data Science, NLP	
ADMINISTRATIVE RESPONSIBILITIES	<i>Hon. Director</i> , Center for Information Resource Management, Cochin University from 17-06-2015 - till date <i>Chairman</i> , Board of Studies, Computer Science, Cochin University from 07-05-2019 to till date (4 Year tenure) <i>Head</i> , Department of Computer Science, Cochin University from 21-04-2017 - 28-04-2020 (3 Year tenure) <i>Member</i> , Board of Governance & Executive Committee, CDiT, Thiruvananthapuram from 05-01-2019 till date <i>Member</i> , Senate, Cochin University from 21-04-2017 to 20-04-2020 (3 Year tenure) <i>Member</i> , Board of Studies, Computer Applications, Manonmaniam Sundaranar University from 26-02-2020 to till date <i>Member</i> , Board of Studies, Computer Applications, Cochin University from 07-05-2019 to till date <i>Member</i> , Board of Studies, Computer Science, Cochin University from 07-05-2015 to 06-05-2019	

Member, Board of Studies, Aeronautical Science and Technology, Cochin University from 31-07-2014 to 30-07-2018

PROFESSIONAL
ACTIVITIES

Chair, IEEE Kochi Subsection, from January 2020 till date
Coordinator, ATAL FDP on Internet of Things, 02-06, February 2021
Organizing Chair, IEEE Int.Conf. on Data Science and Engineering (ICDSE), Kochi, December 2020
General Chair, IEEE Int.Conf. on Data Science and Engineering (ICDSE), IIT Patna, Septemeber 2019
Organizing Secretary, ACM India Annual Event, Kochi, February 2019
Organizing Chair, IEEE Int.Conf. on Data Science and Engineering (ICDSE), Kochi, August 2018
Member, Organizing Committee, 6th National Conference on Indian Language Computing, Kochi, March 2018
Organizing Secretary, 6th National Conference on Software Engineering, Kochi, March 2018
Publication Chair, IEEE 2017 Region 10 Symposium (Tensymp), Kochi, July 2017
Organizing Secretary, IEEE Int.Conf. on Data Science and Engineering (ICDSE), Kochi, July 2016
Organizing Secretary, 5th National Conference on Software Engineering, Kochi, August 2015
Co-ordinator for Kochi, Indian Computing Olympiad 2015,2016,2017,2018,2019,2020
Member, Organizing Committee, 5th National Conference on Indian Language Computing, Kochi, February 2015
Member, Organizing Committee, The 30th National Convention of Electronics and Telecommunication Engineers, Kochi, 31 st October - 1 st November 2014
Organizing Secretary, IEEE Int.Conf. on Data Science and Engineering (ICDSE), Kochi, July 2014
Member, *Organizing Committee*, 4 th National Conference on Indian Language Computing, Kochi, February 2014
Organizing Secretary, 4 th National Conference on Software Engineering, Kochi, August 2013
Publication Co-Chair, 2012 Annual IEEE India Conference (INDICON), Kochi, December 2012
Publication Chair, IEEE International Conference on Data Science and Engineering (ICDSE), Kochi, July 2012
Organizing Committee, National Conference on Indian Language Computing, Kochi, February 2012
UGC-SAP Visiting Faculty, Bharathidasan University, Trichy, Tamilnadu 2008-2012
Associate of Institute of Mathematical Science, Chennai, Tamilnadu, 2006-2008

GRANTS RECEIVED

Co-Project Investigator, *Responsible Disinformation Detection with an Emphasis on Global South*, Queens Global Research Partnership Development (GRPD) Award Scheme (Main partner: Queen's University, Belfast, UK, Other partners: IIT Palakkad, Kerala, India) **2022-2023**, Total Outlay £9,950.00

Project Investigator, *International Network for Image-based Diagnosis*, INTPART, Research Council of Norway, (Partners: NTNU, Norway, Hainan University, China, University of Pennsylvania, USA, University of Aizu, Japan), **2020-2023**, Total Outlay INR 4,50,00,000

Co-Project Investigator, SPARC Project of MHRD, India (Main partner: IIIT Delhi, India Other partners: Queen's University, Belfast, UK, and Nanyang Technological University, Singapore), **2019-2021**, Total Outlay INR 58,99,000

Reveived INR. 42,00,000 from DST under FIST program India for the development of WSN testbed, **2012-2017**

CONSULTANCY
WORKS

Online Learning Management System for St. Treasa's College, Kerala **October 2020**

Intelligent Archiving System for Kerala Police **July 2020**

INVITED TALKS (SELECTED)	<p><i>Mathematics of Deep Learning</i>, Invited Talk, Faculty Development Program on Mathematical Foundations of AI and Data Science, Muthoot Institute of Technology and Science, Kerala June 23-25, 2021</p> <p><i>Machine Learning Applications for Big Data Analytics</i>, Invited Talk, Faculty Development Program on Data Analytics, College of Engineering, Kigangoor, Kerala February 17 2021</p> <p><i>Mathematical Perspectives of Data Science</i>, Invited Talk, Faculty Development Program on Mathematics for Data Science, Muthoot Institute of Technology and Science, Kerala August 14 2020</p> <p><i>Spatiotemporal Data Mining: Research frontiers</i>, Invited Talk, Faculty Development Program on Data Science for Web and Social Media, IIITD, Delhi Feb 28 - 03 March 2020</p> <p><i>Trends in Teaching, Learning and Research</i>, Invited Talk, RUSA Sponsored FDP on MOOCs, Moodle and e-Content Development, M A College, Kothamangalam, Kochi 16 December 2019</p> <p><i>Fake News Detection and Mitigation Strategies</i>, Invited Talk, NCILC, Cochin University, Tamil Nadu 16 March 2019</p> <p><i>Virtual Learning</i>, Invited Talk, UGC-HRDC, Bharathidasan University, Tamil Nadu 16 February 2019</p> <p><i>Research Topics in Machine Learning</i>, Invited Talk, UGC-HRDC, Bharathidasan University, Tamil Nadu 10 March 2018</p> <p><i>Current Trends in Machine Learning</i>, Invited Talk, CSI Kochi Chapter, 27 July 2017</p> <p><i>Machine Vision - Recent Research Problems</i>, Keynote Speech, National Conference on Recent Trends in Computational Intelligence and Image Processing, CE Vadakara, 22 February 2017</p> <p><i>Google Scholar and Research Tools</i>, Invited Talk, CUSAT, 04 February 2017</p>
TRAININGS CONDUCTED (SELECTED)	<p><i>CUDA Workshop on NVIDIA GPU Programming</i>, Dept. of Computer Science, Cochin University, Kerala, 25-26 August 2017</p> <p><i>Gaining Insights on your Data</i>, Dept. of Computer Science, Cochin University, Kerala, 19 August 2017</p> <p><i>Building Online Courses using Moodle</i>, CIRM, Cochin University, Kerala, 06 - 07 August 2015</p> <p><i>LAN Managers Training</i>, CIRM, Cochin University, Kerala, 12 - 19 January 2015</p> <p><i>Web Applications for facilitating E-Learning</i>, Mercy College, Palakkad, 05 - 06 December 2014</p> <p><i>Virtual Learning Environment</i>, SITTTTR, Kalamasserry, Kerala, 30 - 31 October 2014</p> <p><i>Koha and DSpace</i>, Govt. Polytechnic College, Kottayam, Kerala, 27 September 2013</p>
SESSION CHAIR	<p><i>IEEE International Conference on Advances in Computing and Communications</i>, Rajagiri School of Engineering and Technology, Kerala, 22 - 24 August 2017</p> <p><i>International Conference on Information Science</i>, CE Chertala, Kerala, 12 - 13 August 2016</p> <p><i>Third International Symposium on Women in Computing and Informatics</i>, SCMS, Kochi Kerala, 10 - 13 August 2015</p> <p><i>International Conference on ICT</i>, School of Engineering, Cochin University, Kerala, 03 - 05 December 2014</p> <p><i>National Conference on Recent Innovations in Science and Technology</i>, CE Kidangoor, Kerala, 26 - 27 April 2013</p>
PROFESSIONAL MEMBERSHIP	<p>ACM Senior Professional Member (Membership No: 7509433)</p> <p>IEEE Senior Member (Membership No: 90266380)</p> <p>CSI Life Member (No: 01087107)</p>
ASSOCIATE EDITOR/REVIEWER	<p><i>IEEE Access</i>, <i>IEEE</i>: Associate Editor</p> <p><i>ACM Computing Surveys</i>, <i>ACM</i>: Reviewer</p> <p><i>Journal of Wireless Personal Communications</i>, <i>Springer</i>: Reviewer</p>

Int. J of Wireless and Mobile Communications, Inderscience: Reviewer
Int. J of Trust Management in Computing and Communications, Inderscience: Reviewer
The Computer Journal, Oxford: Reviewer
The Journal of Academic Librarianship, Elsevier: Reviewer
The Electronic Library, Emerald: Reviewer

PUBLICATIONS

[Books / Book Chapters]

Data Science for Fake News: Surveys and Perspectives: Published by Springer (2021) ISBN: 978-3-030-62695-2.

Proceedings of ICDSE 2020: Published by IEEE (2020) ISBN: 978-1-7281-8919-2.

Proceedings of ICDSE 2018: Published by IEEE (2018) ISBN: 978-1-5386-4855-1.

Proceedings of ICDSE 2016: Published by IEEE (2016) ISBN: 978-1-5090-1282-4.

Proceedings of ICDSE 2014: Published by IEEE (2014) ISBN: 978-1-4799-6870-1.

Proceedings of ICDSE 2012: Published by IEEE (2012) ISBN: 978-1-4673-2146-4.

A Framework for Monitoring Clustering Stability Over Time, Advances in Intelligent Systems and Computing, Springer, Vol. 882 pp. 467 - 477, May (2019)

Spatiotemporal Ontology for understanding Semantics in Change Patterns of Remote Sensing Images, Lecture Notes in Networks and Systems, Springer 2018, ISBN: 978-981-13-2323-2.

Automatic Multilabelling of Images and Semantic Relation Extraction, (Book Chapter) Digital Image and Signal Processing, Elsevier 2014, ISBN: 978-9-3510-7252-2.

An Improved E-Voting Scheme using Secret Sharing based Secure Multi Party Computation, (Book Chapter) Computer Communication Networks, Elsevier 2014, ISBN: 978-9-3510-7253-9.

Establishing Security in Cheque Truncation System using Secret Image Sharing, (Book Chapter) Computer Communication Networks, Elsevier 2014, ISBN: 978-9-3510-7253-9.

Interestingness Analysis of Semantic Association Mining in Medical Images, (Book Chapter) Computer Networks and Intelligent Computing, Springer 2011, Volume 157, Part 1, 1-10,
DOI: 10.1007/978-3-642-22786-8_1

Authentication in Wireless Sensor Networks Using Zero Knowledge Protocol, (Book Chapter) Computer Networks and Intelligent Computing, Springer 2011, Volume 157, Part 1, 416-421,
DOI: 10.1007/978-3-642-22786-8_52

Semantic Association Mining on Spatial Patterns in Medical Images, (Book Chapter) Advances in Computing and Communications, Springer 2011, Volume 191, Part 5, 263-272,
DOI: 10.1007/978-3-642-22714-1_28

Virtualization Techniques: A Methodical Review of XEN and KVM, (Book Chapter) Advances in Computing and Communications, Springer 2011, Volume 190, Part 5, 399-410,
DOI: 10.1007/978-3-642-22709-7_40

Improving Energy Efficiency of Underwater Acoustic Sensor Networks Using Transmission Power Control: A Cross-Layer Approach, (Book Chapter) *Advances in Computing and Communications*, Springer 2011, Volume 192, Part 2, 93-101,
DOI: 10.1007/978-3-642-22720-2_9

Alignment Model and Training Technique in SMT from English to Malayalam, (Book Chapter) *Contemporary Computing Communications in Computer and Information Science*, Springer 2010, Volume 94, Part 6, 305-315,
DOI: 10.1007/978-3-642-14834-7_29

Contemporary Trends in Software Engineering: (Edited Volume) Published by Directorate of Public Relations and Publications, Cochin University (2010) ISBN: 978-83-800095-09-7.

[International Journals]

Identification of crowd behaviour patterns using stability analysis, **J. Intelligent and Fuzzy Systems**, IOS Press, Vol. 42 (4), pp. 2829-2843, 2022

Generic Methodology for Formal Verification of UML Models, **Defence Science Journal**, Vol. 72 (1), pp. 40 - 48, 2022

Abnormal Crowd Behaviour Detection Using Parallel Deep Neural Networks, **Journal of Information Science and Engineering**, Institute of Information Science, Academia Sinica, Vol. 37(2), pp. 337-346, 2021

Learning in the presence of concept recurrence in data stream clustering, **J Big Data**, Springer Nature, vol. 7 (1), pp. 1-28, 2020

Machine Learning Approach to Suffix Separation on a Sandhi Rule Annotated Malayalam Data Set, **South Asia Research**, Sage Journals, Vol. 40 (2), pp. 231249, 2020

Concept Drift Detection in Data Stream Clustering and its Application on Weather Data, **Int. J. Agricultural and Environmental Information Systems**, IGI Global Publishing, Vol. 11 (1), pp. 67 - 85, 2020

Methodology for Integrating Computational Tree Logic Model Checking in Unified Modelling Language Artefacts A Case Study of an Embedded Controller, **Defence Science Journal**, Vol. 69 (1), pp. 58 - 64, 2019

Mining spatial colocations from image-objects: A tensor factorization approach, **J. Intelligent and Fuzzy Systems**, IOS Press, Vol. 37 (5), pp. 6707-6716, 2019

Change Detection in Urban landscapes: a tensor factorization approach, **Spat.Inf.Res**, Springer, Vol. 27 (5), pp. 587 - 600, 2019

Verb Phrases Alignment Technique for English-Malayalam Parallel Corpus in Statistical Machine Translation, **Journal of Intelligent Systems**, De Gruyter, Vol. 28 (3), pp. 479 - 492, 2019

Inter-Spectral and Intra-Spectral Features for Effective Classification of Remotely Sensed Images, **Procedia Computer Science**, Elsevier, Vol. 115, pp. 549 - 555, 2017

Modelling and Verification of CoAP over Routing Layer Using SPIN Model Checker, **Procedia Computer Science**, Elsevier, Vol. 93, pp. 299 - 308, 2016

A Hierarchical Framework for the Classification of Multispectral Imagery, **Procedia Computer**

Science, Elsevier, Vol. 46, pp. 78 - 85, 2015

Secret Image Sharing Based Cheque Truncation System with Cheating Detection, **International Journal on Information Processing**, I K International, 8(4) pp. 1 - 11, 2014

Using Open Source Software for Digital Libraries: A Case Study of CUSAT, **The Electronic Library**, The international journal for the application of technology in information environments, Emerald Publishing, 31(2) pp. 217 - 225, 2013

Image Mining Prototype to Achieve Medical Image Diagnosis with Effectiveness, **International Journal on Information Processing**, I K International, 6(2) pp. 38 - 47, 2012

Representation and Analysis of DNA Sequences using Fractal Method, **International Journal on Information Processing**, 5(1) pp. 33 - 40, 2011

Energy Aware Cluster-based Multihop Routing Protocol for Sensor Networks, **International Journal on Information Processing**, 4(3) pp. 9 - 16, 2010

Service Oriented Architecture for Retrieving Data from Wireless Sensor Networks, **International Journal on Information Processing**, 3(4) pp. 33 - 40, 2009

Squeezed coherent state representation of scalar field and particle production in the early universe, **International Journal of Theoretical Physics**, 39 (2) pp. 351-360, 2000

[International Conferences]

Automatic Formal Model Generation from UML Diagrams An Implementation Experience, **2022 IEEE DELCON**, February 11 (2022), IEEE Delhi Section, India.

Change Analysis of Indian Metropolitan Cities through a Spatiotemporal Ontology, **2019 ICDSE**, pp. 21 - 25, September 26 (2019), IIT Patna, India.

Enhanced Fast Retina Keypoint Descriptor, **2017 IEEE TENCON**, pp. 1493 - 1498, November 5 - 8 (2017), Penang, Malaysia

A Framework for the prediction of the performance of IoT protocols, a Use Case based approach, **International Conference on Smart Technologies for Smart Nation**, August 17 - 19 (2017), REVA University, Bangalore, India (to appear in IEEEExplore)

Analysis of the Smart Growth of Kochi City through Landscape Metrics, **2017 IEEE Region 10 Symposium (TENSYMP)**, pp. 1-5, Kochi, July 14 - 16 (2017)

Direction Estimation of crowd flow in Surveillance Videos, **2017 IEEE Region 10 Symposium (TENSYMP)**, pp. 1-5, Kochi, July 14 - 16 (2017)

Modeling and verification of timed automaton based hybrid systems using spin model checker, **2016 IEEE Annual India Conference (INDICON)**, Bangalore, pp. 1-8, December 16 - 18 (2016)

Detection of similar community in large network based on graph edit distance, **2016 International Conference on Data Science and Engineering (ICDSE)**, Cochin, pp. 1-5, August 23 - 25 (2016)

User characterization through network flow analysis, **2016 International Conference on Data Science and Engineering (ICDSE)**, Published by IEEE, pp. 1-6, August 23 - 25 (2016)

Dynamic power profile estimation of interconnected smart objects, **2015 IEEE Recent Advances in Intelligent Computational Systems (RAICS)**, Trivandrum, pp. 394-399, December 10 -12 (2015)

Rainfall Prediction using Artificial Neural Network on Map-Reduce Framework, **Third International Symposium on Women in Computing and Informatics (WIC 2015)**, ACM Digital Library, pp. 492-495, Aug 10-13, (2015)

An effective private data storage and retrieval system using secret sharing scheme based on secure multi-party computation, **2014 International Conference on Data Science and Engineering (ICDSE)**, Published by IEEE, pp. 210-214, Aug 26 - 28, (2014)

Fault tolerant state management for high-volume low-latency data stream workloads, **2014 International Conference on Data Science and Engineering (ICDSE 14)**, pp. 2427, Published by IEEE, Aug 26-28, (2014)

Classification based land use/land cover change detection through Landsat images, **2014 International Conference on Data Science and Engineering (ICDSE 14)**, pp. 2427, Published by IEEE, Aug 26-28, (2014)

Association rule extraction from medical transcripts of diabetic patients, **2014 Fifth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 14)**, pp. 201206, Published by IEEE, Feb 17-19, (2014)

Analytical Study of Typographical Errors in OPACS and Corrective Measures, **9th International CALIBER**, Gandhinagar, Gujrat, India, March 21-23, (2013)

Automatic image annotation using SURF descriptors, **Annual IEEE India Conference (INDICON)**, pp. 920-924, Published by IEEE, Dec 7-9, (2012)

Implementation and evaluation of an improved header compression for 6LoWPAN, **Annual IEEE India Conference (INDICON)**, pp. 439-443, Published by IEEE, Dec 7-9, (2012)

Real time recognition of pedestrian and vehicles from videos, Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology (CCSEIT 12), pp. 517-523, Published by ACM, Oct 26-28, (2012)

Extension Schemes for the Alignment Model of English-Malayalam Statistical Machine Translator, Proceedings of the 2012 International Conference on Advances in Computing and Communications (ICACC), pp 86 - 89, Published by IEEE, Aug 9-11, (2012)

An Improved Color Video Super-Resolution Using Kernel Regression and Fuzzy Enhancement, Proceedings of the 2012 International Conference on Advances in Computing and Communications (ICACC), pp 114 - 117, Published by IEEE, Aug 9-11, (2012)

Integrated environment for launch vehicle telemetry data management, Proceedings of the 2012 International Conference on Data Science and Engineering (ICDSE), pp 171-174, Published by IEEE, Jul 18-20, (2012)

Ontology based framework for news extraction in visual media, Proceedings of the 2012 International Conference on Data Science and Engineering (ICDSE), pp 220 - 222, Published by IEEE, Jul 18-20

(2012)

RMAC-M: Extending the R-MAC protocol for an energy efficient, delay tolerant underwater acoustic sensor network application with a mobile data mule node, 2011 International Symposium on Ocean Electronics (SYMPOL), pp 217 - 223, Published by IEEE, Nov 16-18, (2011)

English to Malayalam translation: a statistical approach, Proceedings of the 1st Amrita ACM-W Celebration on Women in Computing in India(A2CWIC 10), pp 64:1-64:5, Published by ACM, Sept 16-18, (2010)

Alignment Model and Training Technique in SMT from English to Malayalam, 3rd International Conference on Contemporary Computing (IC3 2010), Published in Communications in Computer and Information Science ISSN: 1865-0929, Springer, IIIT University, Noida, India, August 09 - 11 (2010)

EHRP : An Energy-Efficient Routing Protocol for Wireless Sensor Networks, International Conference on Information Processing (ICIP2010), UVCE, Bangalore, Karnataka, India, August 06 -08 (2010)

A Framework of Statistical Machine Translator from English to Malayalam, International Conference on Information Processing (ICIP2010), UVCE, Bangalore, Karnataka, India, August 06 -08 (2010)

Fractal Method for Analysis of DNA Sequences, International Conference on Information Processing (ICIP2010), UVCE, Bangalore, Karnataka, India, August 06 -08 (2010)

Moving Object Detection Algorithms: A Systematic Survey, CSI Communications, 33(11) pp. 31 - 35, February 2010

DNA Sequence Representation Methods, International Symposium on Biocomputing (ISB 2010) ACM Conference, NIT Calicut, Kerala, India, February 15-17(2010)

Safe Contiki OS: Type and Memory Safety for Contiki OS, International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2009) Published in IEEEExplore, Kottayam, Kerala, India, October 27-28(2009)

Modeling of ALFA Programs Using PVS Theorem Prover, International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2009) Published in IEEEExplore, Kottayam, Kerala, India, October 27-28(2009)

Service Oriented Architecture for Data Retrieval from WSNs, International Journal on Information Processing, 3(4) pp. 33 - 44, 2009

Voting based Clustering Scheme for Energy Efficient Routing in Sensor Networks, International Conference on Information Processing (ICIP2008), UVCE, Bangalore, Karnataka, India, August 07 -09 (2009)

Safe Contiki OS, 2nd International Conference on Education and Research, Rajagiri School of Engineering and Technology, Kochi, Kerala, India, March 11-14 (2009)

Formal Verification of programs in ADA language for flight software application, 2nd International Conference on Education and Research, Rajagiri School of Engineering and Technology, Kochi, Kerala, India, March 11-14 (2009)

An Energy Aware Load Balanced Clustering Scheme for Sensor Networks, National Conference on

Computational Science and Engineering, Rajagiri School of Social Sciences, Kochi, Kerala, India, February 6-7 (2009)

Analysis of COX-3 Gene and Phylogeny Construction, National Conference on Computational Science and Engineering, Rajagiri School of Social Sciences, Kochi, Kerala, India, February 6-7 (2009)

Mobility Metric based LEACH-Mobile Protocol. 16th International Conference on Advanced Computing and Communications (ADCOM 2008), Published by IEEE , Anna University, Chennai, India, December 14-17 (2008)

Routing Protocol Enhancement for handling Node Mobility in WSNs. IEEE TENCON 2008, University of Hyderabad, Hyderabad, India, November 18-21 (2008)

Service Oriented Architecture for Data Retrieval from WSNs. International Conference on Information Processing (ICIP2008), UVCE, Bangalore, Karnataka, India, August 08 -11 (2008)

Motion Segmentation and Meanshift Assisted Contour Refinement for Airborne Video. IADIS International Conference on Computer Graphics and Visualization 2008, Amsterdam, The Netherlands, July 24-26 (2008)

Impact of Node Mobility on the Performance of Wireless Sensor Networks. International Conference on Sensors and Related Networks (SENNET 07), VIT University, Vellore, Tamil Nadu, India, December 12 14 (2007)

Maritime Sea Surveillance Using Sensor Networks. International Symposium on Ocean Electronics (SYMPOL 07), Cochin University of Science and Technology, Cochin, Kerala, India, December 11 14 (2007)

An Energy Efficient Tree based Adaptive Routing Protocol for Wireless Sensor Networks. International Conference on Information Processing (ICIP2007), UVCE, Bangalore, Karnataka, India, August 10 -12 (2007)

MAC Protocols for Static and Mobile Wireless Sensor Networks: A Survey. International Conference on Information Processing (ICIP2007), UVCE, Bangalore, Karnataka, India, August 10 -12 (2007)

CIBLA A Localization Algorithm for Wireless Sensor Networks. International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC2007), PESIT, Bangalore, Karnataka, India, August 3-5 (2007)

Development of a Knowledge Management Model in a Multidisciplinary Software Development Environment using Transfer Function approach. International Conference on Global Software Development (ICGSD 07), PSG College of Technology, Coimbatore, TamilNadu, India, July 26 28 (2007)

A Generic Software Architecture for a Domain Specific Distributed Embedded System. International Conference on Software Engineering, Theory and Practice (SETP 07), Orlando, FL, USA, July 9-12 (2007)

Evaluation of the Power Consumption of Routing Protocols for Wireless Sensor Networks. Proceedings of the International Symposium on Ad-Hoc and Ubiquitous Computing, Published by IEEE, NITK, Surathkal, India, December 20-23 (2006)

Development of Teacher and Content for effective e-learning practices. Proceedings on International Workshop on E-Learning, Common Wealth of Learning & CUSAT, Cochin, Kerala, India, September 15-27 (2006)