

ACADEMIC PROFILE

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Career Objective

To Significantly Contribute for the empowerment of Society through education and research.

Work Experience

| Organization | Designation | Duration |
|--|--|-------------------------------------|
| <i>M.A.M College of Engineering & Technology, Trichy</i> | <i>Director</i> | <i>January 2015-Till Date</i> |
| <i>M.A.M College of Engineering ,Trichy</i> | <i>Associate Professor and Professor</i> | <i>October 1998 – December 2014</i> |
| <i>Crescent Engineering College, Chennai.</i> | <i>Lecturer & Senior Lecturer</i> | <i>July 1995 – September 1998</i> |

Educational Qualification

- Ph.D., (Communication and Computing Paradigms for Distributed Mobile Systems - 2006 - IIT, Madras)
- M.E (CSE - 1995 - Regional Engineering College,Trichy)
- B.E (ECE - 1993 - Mookambigai College of Engineering ,Trichy)

Publications

Journals

1. S. Ravimaran and M.A. Maluk Mohamed, "Integrated Obj_FedRep: Evaluation of Surrogate Object based Mobile Cloud System For Federation, Replica and Data Management", accepted for publication in the Springer's Arabian Journal for Science and Engineering (AJSE), 2013.
2. S.Ravimaran, M.A.Maluk Mohamed and Almas Parveen Sharief, "Federated Data Management in Distributed Mobile Cloud", accepted for publication in European Journal of Scientific Research, Volume 86, Issue 4, 2012.
3. Y.Mohamadi Begum and M.A. Maluk Mohamed, "Dual Heap Overlay for Range Queries for Handling Hardware Resources", accepted for publication in the Arabian Journal for Science and Engineering (AJSE), 2012.
4. K. Velmurugan and M.A. Maluk Mohamed, "Empirical Study on Performance Metrics of Software Deployed for Implementation of Web Services", European Journal of Scientific Research, Vol.83, No.2 (2012), pp.173-189.

5. K.Velmurugan, M.A.Maluk Mohamed, "Empirical Performance Metrics Study of Execution of Database Queries in Implementation of Web Services", *Journal of Computer Science - Science Publications*, Vol.8, Issue 8, pp. 1346 - 1352.
6. M.Anitha, S.Ravimaran, M.A.Maluk Mohamed, and M.Anbazhagan, "Sensor Grid Based Vision Status Monitoring in Eye Care System", *International Journal of Future Computer and Communication*, Vol. 1, No. 1, June 2012.
7. K.Velmurugan and M.A.Maluk Mohamed, "A Study of Network Traffic Pattern and its Impact on Performance in Implementation of Web Services", *American Journal of Engineering and Applied Sciences*, Vol. 5, Issue 1, pp. 63-69, 2012.
8. Y.Mohamadi Begum and M.A.Maluk Mohamed, "Handling Disconnections in LTE Network-based Mobile Grid", *International Journal on Internet and Distributed Computing Systems*, Vol. 1, No. 2, pp. 68-75, 2011.
9. Y.Mohamadi Begum and M.A.Maluk Mohamed, "DEEPG: Dual Heap Overlay Resource Discovery Protocol for Mobile Grid", *International Journal on Scalability Computing: Practice and Experience*, Vol.12, No.2, pp.239-255, 2011.
10. M.A.Maluk Mohamed, A.Vijay Srinivas and D.Janakiram, "An Object Based Paradigm for Integration of Mobile Hosts into Grid: A Service Composition Approach", *International Journal of Next-Generation Computing*, Vol.2, No.1, pages 167-188, March 2011.
11. M.A.Maluk Mohamed, V.R.Devanathan and D.Janakiram, "EOMP: An Exactly-Once Multicast Protocol for Distributed Mobile System", *International Journal of Parallel, Emergent and Distributed Systems*, Vol.25, Issue 3, pages 183-207, 2010.
12. M.A.Maluk Mohamed and D.Janakiram, "Two-Tier Fault-Tolerant Exactly-Once Multicast Protocol for Distributed Mobile Systems: Design and Evaluation", *Communicated to International Journal of Mobile Information Systems*, April 2008, two reviews are over.
13. M.A.Maluk Mohamed, "Communication and Computing Paradigms for Distributed Mobile Systems", *International Journal on Information Sciences and Computing*, Vol.1, No.1, Dec 2007.
14. M.Venkateswara Reddy, M.A.Maluk Mohamed, Tarun Gopinath, A.Vijay Srinivas and D.Janakiram, "Vishva: A Paradigm for Anonymous Remote Computation and Communication for Peer to-Peer Grid Computing", *Scientific Programming Journal, Special Issue on Grids and Worldwide Computing*, Winter 2005.
15. M.A.Maluk Mohamed, A.Vijay Srinivas and D.Janakiram, "Moset: An Anonymous Remote Mobile Cluster Computing Paradigm", *Journal of Parallel and Distributed Computing (JPDC)*, Elsevier Publications, Vol.65, No.10, pp.1212-1222, 2005.

International Conference Proceedings

16. M. Shanmuga Priya, M.A. Maluk Mohamed, and N. Abinaya, "Design and Performance Comparison of Micro strip and CPW Fed E-Shaped Antenna for WSN Applications", *Proceedings of the 29th Annual Review of Progress in Applied Computational Electromagnetics (ACES 2013)*, 24-28, March 2013, Monterey, California, USA.

17. Aghila Rajagopal and M.A. Maluk Mohamed, "Repfinder: An Effective System for Fault Recovery in Parallel Processing of Mobile Grid Computing", Proceedings of the International Conference on Internet Studies NETs 2012, 17-19, August 2012, Bangkok, Thailand.
18. H.Parveen Begam and M.A. Maluk Mohamed, Secured Data Management Paradigm for Mobile Grid Environment using Surrogate Objects", Proceedings of the 13th International Conference on Mobile Data Management, 23 - 26, July 2012, Bengaluru, India.
19. T. Vigneswari and M.A.Maluk Mohamed, "Sensor Grid Based Telemedicine with Smart Objects and Distributed Pipe Communication", Proceedings of the Third International Conference on Cloud Computing, GRIDs, and Virtualization - CLOUD COMPUTING 2012, 22-27, July 2012 - Nice, France.
20. T.Vigneswari and M.A.Maluk Mohamed, "Sensor Grid Middleware for Health Care Monitoring", Proceedings of the 2012 International Conference on Advancements in Information Technology, 2-3, June 2012, Hong Kong.
21. S. Ravimaran and M.A. Maluk Mohamed, "Data Management in the Mobile Cloud Using Surrogate Object", Proceedings of the 2012 International Conference on Advancements in Information Technology, 2-3, June 2012, Hong Kong.
22. G. Kanimozhi, S. Ravimaran and M.A. Maluk Mohamed, " Intrusion Prevention System in VPN with Entities Based Access Rule and Vibrant Key Authentication", Proceedings of the 2012 International Conference on Advancements in Information Technology, 2-3, June 2012, Hong Kong.
23. H.Parveen Begam and Maluk Mohamed.M.A, "Performance Analysis of Elliptic Curve Cryptography using Onion Routing to Enhance the Privacy and Anonymity in Grid Computing", Proceedings of the 2012 International Conference on Advancements in Information Technology, 2-3, June 2012, Hong Kong.
24. T.Vigneswari and M.A.Maluk Mohamed, "Sensor Grid Middleware for Health Care Monitoring", Proceedings of the 2012 International Conference on Advancements in Information Technology, 2-3, June 2012, Hong Kong.
25. K. Velmurugan and M.A. Maluk Mohamed, "An Empirical Study of Network Traffic Pattern and its Impact on Performance in Implementation of Web Services", Proceedings of the International Conference on Emerging Information Technology and Engineering Solutions (EITES 2012), held by SCIT, Pune, India.
26. S.Ravimaran and M.A. Maluk Mohamed, "Surrogate Object Based Data Mining for Distributed Mobile Systems", Accepted for publication in the Proceedings of the 9th International ACM Conference on Advances in Mobile Computing and Multimedia (MoMM2011), December 5 - 7, 2011, Ho Chi Minh City, Vietnam.
27. S.Ravimaran and M.A. Maluk Mohamed, "An Improved Kangaroo Transaction Model using Surrogate Objects for Distributed Mobile System", Proceedings of the Tenth International ACM Workshop on Data Engineering for Wireless and Mobile Access, MobiDE 2011 to be held in conjunction with 2011 ACM SIGMOD / PODS conference, June 12 - 16, 2011, Athens, Greece.
28. Y. Mohamadi Begam and M.A. Maluk Mohamed, "A Heap-based P2P Topology and Dynamic Resource Location Policy for Process Migration in Mobile Clusters", Proceedings of the Fourth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, UBICOMM 2010, October 25 - 30, 2010 - Florence, Italy.

29. Y.Mohamadi Begam and M.A. Maluk Mohamed, "A DHT-Based Process Migration Policy for Mobile Clusters", Proceedings of the 7th International Conference on Information Technology : New Generations (ITNG 2010), April 12-14, 2010, Las Vegas, Nevada, USA, pp.934-938.
30. K. Velmurugan and M.A. Maluk Mohamed, "A Model driven Approach for Migrating from Legacy Software Systems to Web Services", Proceedings of the First Indian Workshop on Reverse Engineering (IWRE) Co-located with the 3rd India Software Engineering Conference (ISEC 2010), Feb 25th , 2010, Mysore, INDIA, pp.97-101.
31. K. Velmurugan and M.A. Maluk Mohamed, "An Empirical Performance Metrics Measurement and Analysis of SoftwarePlatforms for Implementation of Web Services", Proceedings of the 8th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2009) June 1-3, 2009, Shanghai, China, pp.914-920.
32. M.A. Maluk Mohamed and Y.Mohamadi Begam, "Building QoS Enabled Mobile Service Grid", Proceedings of the International Workshop on QoS and Performance Metrics in High Performance Computing (QPMHPC-08) held in conjunction with the 10th IEEE International Conference on High Performance Computing and Communications (HPCC-08), DaLian, China, September 25, 2008, pp.107-110.
33. M.A. Maluk Mohamed and Y.Mohamadi Begam, "Mobile Sensor Grid for Context-Aware Applications and its Challenges", Proceedings of the International Conference on Mobile Data Management (MDM 2008), Beijing, China, April 2008, pp.209-214.
34. M.A. Maluk Mohamed and N. Vijaya Kamaraj, "BSLT - Body Sensors for Postoperative Care in Liver Transplantation", Proceedings of the International Conference on Data Engineering and Management, Tamilnadu, India, February 2008, pp.91-98.
35. Y. Mohamadi Begam and M.A. Maluk Mohamed, "Advances in Computing Technologies: An Insight", Proceedings of the 18th IEEE International Conference on Database and Expert Systems Applications DEXA '07, Regensburg, Germany, September 2007, Pages 625-628.
36. D. Janakiram, M.A. Maluk Mohamed, A. Vijay Srinivas, P. Kovendhan and M. Venkateswara Reddy, "A Paradigm for Integrating Sensor and Mobile Devices into the Grid", Proceedings of the International Workshop on Scientific Instruments and Sensors on the Grid, to be held in conjunction with the 1st International Workshop on e-science and Grid Computing, Melbourne, Australia, December 5-8, 2005, pp.8-11.
37. M. Venkateswara Reddy, M.A. Maluk Mohamed, A. Vijay Srinivas and D. Janakiram, "GDP: A Paradigm for Intertask Communication in Grid Computing through Distributed Pipes", Proceedings of the 2nd International Conference on Distributed Computing & Internet Technology (ICDCIT 2005), Bhubaneswar, India, December 22-24, 2005, Lecture Notes in Computer Science, Volume 3816, Dec 2005, Pages 235 – 241.
38. M.A. Maluk Mohamed, A. Vijay Srinivas, Mohit Chakraborty and D. Janakiram, "An Object Based Model for Location and Availability Management in Distributed Mobile Systems", Proceedings of the OTM 2005 Workshop on Context-Aware Mobile Systems (CAMS'05), Agia Napa, Cyprus, 31 Oct - 4 Nov 2005, In conjunction with OnTheMove Federated Conferences (OTM'05) international conference, pp122-125.
39. D. Janakiram, N.V. Palankeswara Rao, A. Vijay Srinivas and M.A. Maluk Mohamed, "Sneha-Samuham: A Parallel Computing Model over Grids", Proceedings of the 2005 International Conference on Grid Computing and Applications (GCA'05), June 2005, Las Vegas, USA, pp191-197.

40. M.A. Maluk Mohamed, D. Janaki Ram and Mohit Chakraborty, "Surrogate Object Model: A New Paradigm for Distributed Mobile Systems", Proceedings of the 4th International Conference on Information Systems Technology and its Applications (ISTA'2005), May 23-25, 2005 - New Zealand, pp.124-138.
41. M.A. Maluk Mohamed and D. Janaki Ram, "Service Composition Based Middleware Architecture for Mobile Grid", Proceedings of the 2nd International Workshop on Ubiquitous Computing (IWUC 2005) in conjunction with the 7th International Conference on Enterprise Information Systems ICEIS 2005, May 24-25, 2005 - Miami, USA, pp. 39-46.
42. M.A. Maluk Mohamed and D. Janaki Ram, "Fault-Tolerant Exactly-Once Reliable Multicast Protocol for Distributed Mobile Systems", Proceedings of the IASTED International Conference on Communication Systems and Networks, CSN 2003, September 2003, Benalmadena, Spain, pp.138-143.
43. M.A. Maluk Mohamed, V.R. Devanathan and D. Janaki Ram, "A Model for Mobile Cluster Computing: Design and Evaluation", Proceedings of the International Conference on Computer Science and its Applications, ICCSA 2003, July 2003, San Diego, California, USA, pp.208-212.
44. M.A. Maluk Mohamed, V.R. Devanathan and D. Janaki Ram, "Cluster Computing with Mobile Nodes: A Case Study", Proceedings of the International Conference on Information Technology: Prospects and Challenges in 21st century,ITPC 2003, May 2003, Kathmandu, Nepal, pp. 52-59.
45. D. Janaki Ram, M.A. Maluk Mohamed and V.R. Devanathan, "A Framework for Concurrency Control in Real-Time Distributed Collaboration for Mobile Systems", Proceedings of the 23rd IEEE International Conference on Distributed Computing Systems Workshop (ICDCSW 2003), May 2003, Providence, Rhode Island USA, pp. 488-492.

National Conference Proceedings:

46. M.A. Maluk Mohamed and H.Parveen Begam, "On Certificate-Based Mutual Authentication Paradigm For Mobile Grid Computing Using Surrogate Objects", Proceedings of the 99th Indian Science Congress, 3 - 7 January 2012, Bhubaneswar, India.
47. M.A.Maluk Mohamed and T.Vigneswari, "Sensor Grid Architecture For Health Care Monitoring", Proceedings of the 99th Indian Science Congress, 3 - 7 January 2012, Bhubaneswar, India. (Won the Best Poster Award)
48. M.A. Maluk Mohamed and M. Caroline Kayalvizhi, "Modified Kangaroo Transaction Model using Surrogate Objects for Distributed Mobile System", Proceedings of the National Conference on Latest Issues in Information Technology (LIIT-2010), March 1st, 2010, Chennai, INDIA, pages 79 – 82.

Book Chapters

49. M.A. Maluk Mohammad, "Paradigms for Distributed Mobile Systems – Issues and Design", ISBN 978-3-8484-3192-2, LAMBERT Academic Publishing, Germany, 2012.
50. K.Velmurugan and M.A.Maluk Mohamed, "An effortless Approach for Migrating from Legacy Software Systems to Web Services", chapter in the book with title "Information Systems Reengineering for Modern Business Systems: ERP, SCM, CRM and E-Commerce Management Solutions" published by IGI-Global, USA, 2011.

51. D. Janakiram, M.A. Maluk Mohamed, A. Vijay Srinivas, P. Kovendhan and M. Venkateswara Reddy, Epilogue - DOS Grid: Vision of Mobile Grids, Grid Computing: A Research Monograph, D. Janakiram (Ed), pp. 292 – 307, (Chapter 11) ISBN: 0-07-060096-1, Tata McGraw-Hill, India, 2005.
52. M.A. Maluk Mohammad, A. Vijay Srinivas and D. Janaki Ram, Introducing Mobility into Anonymous Remote Computing and Communication Model, Grid Computing: A Research Monograph, D. Janakiram (Ed), pp. 230 – 254, (Chapter 8) ISBN: 0-07-060096-1, Tata McGraw-Hill, India, 2005.
53. N. V. Palankeswara Rao, D. Janaki Ram, and A. Vijay Srinivas and M.A. Maluk Mohamed, Sneha-Samuham: Grid Computing Model, Grid Computing: A Research Monograph, D. Janakiram (Ed), pp. 210 – 229, (Chapter 7) ISBN: 0-07-060096-1, Tata McGraw-Hill, India, 2005.

Personal Details

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