

SUNIL SURVE

EXPERIENCE

- 2019 – Date Fr. Conceiao Rodrigues College of Engineering, Mumbai
Professor and Dean Academics
- 2012 – 2019 Fr. Conceiao Rodrigues College of Engineering, Mumbai
Professor and Head
- 2011 – 2012 Fr. Conceiao Rodrigues College of Engineering, Mumbai
Associate Professor & I/C HOD
- 2006 - 2008 Fr. Conceiao Rodrigues College of Engineering, Mumbai
Assistant Professor
- 2000 - 2006 Fr. Conceiao Rodrigues College of Engineering, Mumbai
Lecturer
- 1987 - 1999 Fr. Conceiao Rodrigues College of Engineering, Mumbai
Technical Assistant

IMPORTANT OTHER RESPONSABILITIES

- 2019 General Chair – 6th International Conference on Advances in Computing, Communication and Control, 2017 (ICAC3'19)
- 2017 General Chair – 5th International Conference on Advances in Computing, Communication and Control, 2017 (ICAC3'17)
- 2015 Programme Chair – 4th International Conference on Advances in Computing, Communication and Control, 2015 (ICAC3'15)
- 2013 Conference Chair – 3rd International Conference on Advances in Computing, Communication and Control, 2013 (ICAC3'13)
- 2011 Conference Chair – 2nd International Conference on Advances in Computing, Communication and Control, 2011 (ICAC3'11)
- 2009 Conference Co-Chair – 1st International Conference on Advances in Computing, Communication and Control, 2009 (ICAC3'09)
- 2008 Coordinator – National Conference on Algorithms (NCA), 2008.

EDUCATION

2006 – 2012 V.J.T.I., Mumbai

- Ph.D. (Electronics Engineering)
- Thesis Title – Coordination, Control and Synchronization of Multi-Agent Systems

1997 – 1999 V.J.T.I., Mumbai

- M.E. (Electronics Engineering)
- First Class
- Project Title – Computer Controlled 5-DOF Articulated Arm

1987 – 1991 Institution of Engineers

- A.M.I.E. (Communication Engineering)

1983 – 1987 University of Mumbai

- B.Sc. (Physics)

Entrance Examinations:

- Gate 1997 – 96.47 percentile
- Gate 1996 – 85.86 percentile

PUBLICATIONS

In Conferences

1. Preeti. N. Jain; Sunil. K. Surve, “Resource Centric Characterization and Classification of Applications Using KMeans for Multicores” in the Proceedings of The 33rd International Conference on Information and Technology (ICOIN), Kaula Lumpur, Malaysia, 9-11 January 2019, 978-1-5386-8350-7/19, pp 25-30.
2. Preeti. N. Jain; Sunil. K. Surve, “Resource based Modeling of Applications of Mult-Cores using Adapted Tilman Model”, in the Proceedings of 4th International Conference on Computing in Engineering and Technology, 9-11 January 2019.
3. Preeti. N. Jain ; Sunil. K. Surve, “Modeling resource constrained solo applications using logistic growth model”, in the Proceedings of 2017 International Conference on Advances in Computing, Communication and Control (ICAC3), 1-2 Dec. 2017 10.1109/ICAC3.2017.8 [10.1109/ICAC3.2017.8318751](https://doi.org/10.1109/ICAC3.2017.8318751) 318751
4. Mangalwedekar, Sindhuja; Surve, Sunil K., Measurement Sets in Power System State Estimator in Presence of False Data Injection Attack in the Proceedings of Advance Computing Conference (IACC), 2015 IEEE International , vol., no., pp.855,860, 12-13 June 2015
5. Mangalwedekar, Sindhuja; Surve, Sunil K., Mangalwedekar H.A., “Error Propagation in Linear and Non-Linear Systems for

- False Data Injection Attack”, in the Proceedings of International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015
6. Sindhuja Mangalwedekar, Surve, Sunil K., Mangalvedekar H.A., “False Data Injection Attacks and Detection Scenarios in the Power System” in the proceedings of 2015 Annual IEEE India Conference (INDICON)
 7. Kadam, R. ; Shajahan, S. ; Malegam, K. ; Wagle, K. ; Surve, S.”Localization and tracking of indoor mobile robot with beacons and dead reckoning sensors” in the 2014 IEEE Students' Conference on Electrical, Electronics and Computer Science (SCEECS)
 8. Nikita Agwankar, Sunil Surve and Sapna Prabu, “Development Of Robust Security Options For Portable Data Storage Media”, MULTICON-W 2014, International Conference & Workshop On Advance Computing, March 2014.
 9. Radhika Nayak, Sunil Surve and Sapna Prabu, “Computational Complexity Based Development Of Embedded System”, MULTICON-W 2014, International Conference & Workshop On Advance Computing, March 2014
 10. Vaibhav Jadhav and Sunil Surve. ‘Formation and Synchronization of 4-Wheel Multiple Mobile Robot using Contraction Theory”; In the proceedings of International Conference on Electrical, Electronics and Data Communication(ICEEDC), November 2012.
 11. Janhavi B., Sunil Surve, Sapna Prabhu. ‘Consensus based Dynamic Load Balancing for a Network of Heterogeneous Workstations’ ; In the Proceedings of 2nd International Conference on Advances in Computing, Communication and Control, ICAC311, 28-29 January, 2011.
 12. Ch. Venkatesh, Sunil Surve and N. M. Singh. “Flatness based Formation Control of Nonholonomic Vehicles”. In the Proceedings of 2nd International Conference on Advances in Computing, Communication and Control, ICAC311, 28-29 January, 2011.
 13. Janhavi B., Sunil Surve, Sapna Prabhu. “Comparison of Load Balancing Algorithms in a Grid”; in the Proceedings of International Conference on Data Storage and Data Engineering, Bangalore, 2010.
 14. Janhavi B., Sunil Surve, Sapna Prabhu. “Graph Partitioning for a Network of Heterogeneous Workstations”; in the Proceedings of International Conference on Advances in Communication, Network, and Computing, Kerala, 2010
 15. Sunil Surve, N. M. Singh, and B. K. Lande, "Path Planning and Tracking for Coverage Task"; In the Proceedings of International ACM Conference on Advanced Computing, ICAC-2008, 21-22

February, 2008.

16. Sunil Surve, N. M. Singh, and B. K. Lande, "CPPA: A Fast Coverage Algorithm"; In the Proceedings of International IEEE Conference on Intelligence Systems and Multi-media Applications, ICCIMA'07, 13-15 December 2007.
17. Sunil Surve, N. M. Singh, and B. K. Lande, "A Survey of Recent Results for Coverage Task"; In the Proceedings of National Conference on Emerging Technologies in Control and Instrumentation, NCETCI'07, 19-20 October 2007.
18. Sunil Surve, N. M. Singh, B. K. Lande. "Coverage Path Planning based on Minimum Radius of Curvature"; in the Proceedings of International Conference on Recent Applications and Developments of Computer in Electrical Engineering, RACE'07, 24-25 March 2007.

In Journals

1. Preeti Jain and Sunil K Surve, "Modeling Shared Resource Competition for Multi-cores Using Adapted Tilman Model", in International Journal of High Performance Computing and Networking. InderScience Publications.
2. Preeti Jain and Sunil K Surve, "A Review of Shared Resource Contention in Multi-cores and its Mitigating Techniques", In International Journal of High Performance Systems Architecture. InderScience Publications.
3. Preeti Jain and Sunil K Surve. "Evaluating Resource Centric Behavior of Work-loads and Performance Analysis in CMPs due to Shared Resources", In International Journal of Innovative Technology and Exploring Engineering. Blue Eyes Intelligence Engineering and Sciences Publication. August 2019.
4. Anuja Borkar and Sunil Surve, "Comparison of a Developed Dual Axis Solar Tracking System Based On Maximum Power Point Tracking (MPPT) and Astronomical Equations with Existing Systems" in the International Journal Communications on Applied Electronics (CAE), April 2016
5. Ritesh Meshram, Dr. Sunil Surve. "Formation Control For Wheeled Mobile Robots", in International Journal of Scientific & Technology Research Volume 3, Issue 5, May 2014, ISSN 2277-8616
6. Radhika Nayak, Sunil Surve and Sapna Prabu, "Reduction in computational complexity-A Face Recognition Case study", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 2, February 2014.
7. Nikita Agwankar, Sunil Surve and Sapna Prabu, "Security For Portable Data Storage Media", International Journal of Advanced

Research in Computer and Communication Engineering, Vol. 3, Issue 1, January 2014

8. Sunil Surve, N. M. Singh and B. K. Lande, "A Fast Coverage Algorithm for Multiple Mobile Robots." In the IURS Journal of Unmanned Robotic Vehicles and Intelligent Systems. Volume 1, Issue 1. September 2007. Page(s): 101-106.

Books: Editor

1. Srima Unnikrishnan, Sunil Surve and Sameer Hemadi. Proceedings of 1st International International Conference on Advances in Computing, Communication and Control, 2009, Association for Computing Machinery, ISBN: 978-1-60558-351-8.
2. Srima Unnikrishnan, Sunil Surve and Deepak Bhoir. Proceedings of 2nd International International Conference on Advances in Computing, Communication and Control, 2011, Springer, ISBN 978-3-642-18440-6
3. Srima Unnikrishnan, Sunil Surve and Deepak Bhoir. Proceedings of 3rd International International Conference on Advances in Computing, Communication and Control, 2013. Springer, ISBN 978-3-642-36321-4
4. Srima Unnikrishnan, Sunil Surve and Deepak Bhoir. Proceedings of 4th International International Conference on Advances in Computing, Communication and Control, 2015. Procedia Computer Science, Col 49, Elsevier,

AREA OF SPECILIZATION

- Software Engineering:
- Machine learning
- Robotics
- Computer Architecture