

Dr. Suraj Damodaran

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EDUCATION

Degree Title	Field of Study	Institution	Department	Year of Graduation	Division/Remarks
Ph.D.	Robotics and control	National Institute of Technology, Calicut, India	Electrical Engineering Department	2020	Completed with full scholarship.
M.Tech	Computer controlled industrial power	National Institute of Technology, Calicut, India	Electrical Engineering Department	2009	First Class with Distinction, Completed with full scholarship
B.Tech	Applied Electronics and Instrumentation	College of Engineering Trivandrum, Kerala University, Kerala, India	Electronics and Communication Engineering Department	2005	First Class

CAREER HISTORY

Designation	Organisation	Duties	Employment period	Duration
Assistant professor	CUSAT	Teaching, Research and related administrative works	03-11-2022 to present	
Associate Professor	Jyothi Engineering College, Thrissur	Teaching, Research and related administrative works	01-12-2021 to 02-11-2022	11 months
Associate Professor	Adi Shankara Institute of Engineering & Technology, Kalady	Teaching, Research and related administrative works	06-01-2021 to 30-11-2021	10 months
Ad-hoc faculty	National Institute of Technology Calicut	Teaching, Research and related administrative works	12-12-2019 to 25-08-2020	8 months
Ad-hoc faculty	National Institute of Technology	Teaching, Research and	19-07-2019 to 06-12-2019	4 months

	Calicut		related administrative works		
Assistant professor	Vidya Academy of Science & Technology, Thrissur		Teaching, Research and related administrative works	08-03-2011 to 06-12-2013	32 months
Assistant professor	Vidya Academy of Science & Technology, Thrissur		Teaching, Research and related administrative works	11-08-2010 to 07-03-2011	6 months
Ad-hoc lecturer	National Institute of Technology Calicut		Teaching, Research and related administrative works	14-12-2009 to 30-04-2010	4 months
Ad-hoc lecturer	National Institute of Technology Calicut		Teaching, Research and related administrative works	23-07-2009 to 11-12-2009	4 months

ACHIEVEMENTS & SCHOLARSHIPS

Ph.D. Scholarship from MHRD, India

GATE Scholarship from MHRD, India during M.Tech (2007-2009)

GATE-2007, Organized by IIT Kanpur, Score: 527 (Percentile score of 98.1, AIR 81)

GATE-2012, Organized by IIT Delhi, Score: 360

GATE-2013, Organized by IIT Bombay, Score: 400

Kerala Engineering Entrance Rank: 696

PROFESSIONAL ACTIVITIES

Regular reviewer of many IEEE journals and international conferences

Organized and participated 2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS) organised by Department of Electronics and Communication Engineering, Adi Shankara Institute of Engineering and Technology, Kalady, Ernakulam, India during 2 – 4 September, 2021.

Publication chair, reviewer, Chair of Robotics track in 2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS), hosted by Department of Electronics and Communication Engineering, Adi Shankara Institute of Engineering and Technology, Kalady, Ernakulam, India during 2 – 4 September, 2021.

Organized and participated international conference EPSCICON 2012 organised by Department of Electrical & Electronics Engineering during 2nd - 6th January 2012

JOURNAL PUBLICATIONS

- Suraj Damodaran, T. K. S. Kumar and A. P. Sudheer, "Model-Matching Fractional-Order Controller Design Using AGTM/AGMP Matching Technique for SISO/MIMO Linear Systems," in IEEE Access, vol. 7, pp.41715-41728, 2019. doi: 10.1109/ACCESS.2019.2907569 (**SCIE INDEXED**)
- Suraj Damodaran, T. K. Sunil Kumar & A. P. Sudheer, "Design of suboptimal model-matching controllers using squared magnitude function for MIMO linear systems," in Automatika (Taylor and Francis), vol. 62, no. 2, pp. 210-225, 2021. doi: 10.1080/00051144.2021.1922149. (**SCIE INDEXED**)

CONFERENCE PUBLICATIONS

- Suraj Damodaran, A. P. Sudheer and T. K. Sunil Kumar, "An evaluation of spatial mapping of indoor environment based on point cloud registration using Kinect sensor," 2015 International Conference on Control Communication & Computing India (ICCC), 2015, pp. 548-552, Organised by **College of Engineering Trivandrum**, Kerala doi: 10.1109/ICCC.2015.7432958. (**SCOPUS indexed**)
- Suraj Damodaran, T. K. Sunil Kumar, and A. P. Sudheer, "Design and Implementation of GA Tuned PID Controller for Desired Interaction and Trajectory Tracking of Wheeled Mobile Robot," In Proceedings of the Advances in Robotics (AIR '17), Association for Computing Machinery, New York, NY, USA, Article 34, 1-6, during July 28- July 2, 2017, at **Indian Institute of Technology, Delhi**. DOI:<https://doi.org/10.1145/3132446.3134898>
- Suraj Damodaran, T. K. Sunil Kumar and A. P. Sudheer, "Design and Implementation of Desired Interaction Yielding Fractional-Order Controller With Application to Wheeled Mobile Robot," 2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS), 2021, pp. 302-307, doi: 10.1109/ACCESS51619.2021.9563307. (**SCOPUS indexed**)