

Advances in Robotics (AIR2017)
Doctoral (PhD) Symposium
Programme Schedule: July 2, 2017

Venue: Seminar Hall, IIT Delhi

Time	Details
09:30 to 11:30	Session I: Oral Presentations of Researchers 1.1 to 1.10
11:40 to 12:30	Session II: Poster Session of Researchers 1.1 to 1.10 for detailed discussions with expert panel and audience over a cup of tea
12:30 to 13:30	Lunch
13:30 to 15:30	Session III: Oral Presentations of Researchers 2.1 to 2.10
15:40 to 16:30	Session IV: Poster Session of Researchers 2.1 to 2.10 for detailed discussions with expert panel and audience over a cup of tea
16:35 to 17:15	Invited Talk
17:15 to 17:30	Valedictory Session, Awards and Feedback

Sl. No.	Topic	PhD Scholar	Supervisor(s)
1.1	Multiple Mobile Robot Navigation and Coordination	Buddhadeb Pradhan	Nirmal Baran Hui Department of Mechanical Engineering, National Institute of Technology Durgapur Diptendu Sinha Roy Department of Computer Science and Engineering National Institute of Technology Meghalaya, Shilong
1.2	Modelling and Analysis of Multi-Link Flexible Manipulator	Prasenjit Sarkhel	Nilotpal Banerjee and Nirmal Baran Hui Department of Mechanical Engineering National Institute of Technology Durgapur
1.3	Mechanics of robotic grasping	Dharbaneshwer S J	Sankara J. Subramanian Department of Engineering Design Indian Institute of Technology, Madras
1.4	Locomotion Control of Biped Humanoid Robot	Manish Raj	G.C.Nandi Indian Institute of Information Technology, Allahabad
1.5	M-HULL: An Automated Underwater Inspection Robot With Split Hull	Vishakh S Kumar	Prabhu Rajagopal Department of Mechanical Engineering Indian Institute of Technology, Madras
1.6	Design and development of a novel six degrees-of-freedom parallel manipulator for medical rehabilitation	Anirban Nag	Sandipan Bandyopadhyay Department of Engineering Design Indian Institute of Technology Madras
1.7	Dynamics of Underwater Vehicle-Manipulator Systems	Anil Kumar Sharma	Subir K. Saha Department of Mechanical Engineering Indian Institute of Technology Delhi, New Delhi
1.8	Kinematic Studies of A Four-Fingered Tendon Actuated Robotic Hand	Eram Neha	Mohd. Suhaib Mechanical engineering Department Jamia Millia Islamia, New Delhi Sudipto Mukherjee Department of Mechanical Engineering Indian Institute of Technology Delhi, New Delhi
1.9	Design and Analysis of Robotic Exoskeleton for Human Upper Limb Rehabilitation	Akash Gupta	Mukul Kumar Gupta Electronics Instrumentation and Control Department University of Petroleum and Energy Studies, Dehradun
1.10	Dynamics and Control of Unmanned Underwater Vehicle Manipulator Systems	Aparna Pandharkar	Subir K. Saha Department of Mechanical Engineering Indian Institute of Technology Delhi, New Delhi

2.1	Visual Feedback based Object Detection and Manipulation	Shraddha Chaudhary	Sumantra Dutta Roy Department of Electrical Engineering Indian Institute of Technology Delhi, New Delhi
2.2	Collision Avoidance Under Uncertainty	Bharath Gopalakrishnan	K. Madhava Krishna and Arun Kumar Singh International Institute of Information Technology Hyderabad
2.3	Visual Servoing Across Object Instances	Harit Pandya	K. Madhava Krishna International Institute of Information Technology Hyderabad
2.4	Towards Ontology and Semantic Mapping for Multi Agent Autonomous Robots	Abhijit Boruah	Tazid Ali Dibrugarh University, Dibrugarh Nayan M Kakoty Tezpur University, Tezpur
2.5	Investigations on adaptive multiple suction chamber control system for wall climbing applications	G. Muthukumaran	Uppu Ramachandraiah Hindustan Institute of Technology and Science, Chennai
2.6	Agile Aerial Manipulation - Modelling and Control	Ranjan Dasgupta	Shubhendu Bhasin Department of Electrical Engineering Indian Institute of Technology Delhi, New Delhi
2.7	A Robotic Algae Harvesting System for Efficient Algae Collection	Swagat C	Dhanapati Deka and Dr. Nayan M Kakoty Tezpur University Tezpur, Assam, India
2.8	Smart Technique For Minimally Invasive Automatic Suturing Robot	Varnita Verma	Mukul Kumar Gupta Electronics Instrumentation and Control Department University of Petroleum and Energy Studies, Dehradun
2.9	Novel Approach towards safety in backhoe with haptics	Meera C S	Mukul Kumar Gupta Electronics Instrumentation and Control Department University of Petroleum and Energy Studies, Dehradun
2.10	Navigation Techniques for Autonomous Mobile Service Robot	Nippun Kumaar A.A.	Sudarshan T.S.B. Department of Computer Science and Engineering Amrita Vishwa Vidyapeetham University, Bangalore