Doctoral (PhD) Symposium
Advances in Robotics (AIR2017)
List of Accepted Submissions

Sl. No.	Topic	PhD Scholar	Institute	Supervisor(s)
1	Multiple Mobile Robot Navigation and Coordination	Buddhadeb Pradhan	NIT Durgapur	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
2	Modelling and Analysis of Multi-Link Flexible Manipulator	Prasenjit Sarkhel	NIT Durgapur	Nilotpal Banerjee and Nirmal Baran Hui Department of Mechanical Engineering National Institute of Technology Durgapur
3	Mechanics of robotic grasping	Dharbaneshwer S J	IIT Madras	Sankara J. Subramanian Department of Engineering Design Indian Institute of Technology, Madras
4	Locomotion Control of Biped Humanoid Robot	Manish Raj	IIIT Allahabad	G.C.Nandi Indian Institute of Information Technology, Allahabad
5	M-HULL: An Automated Underwater Inspection Robot With Split Hull	Vishakh S Kumar	IIT Madras	Prabhu Rajagopal Department of Mechanical Engineering Indian Institute of Technology, Madras
6	Design and development of a novel six degrees-of-freedom parallel manipulator for medical rehabilitation	Anirban Nag	IIT Madras	Sandipan Bandyopadhyay Department of Engineering Design Indian Institute of Technology Madras
7	Visual Feedback based Object Detection and Manipulation	Shraddha Chaudhary	IIT Delhi	Sumantra Dutta Roy Department of Electrical Engineering Indian Institute of Technology Delhi, New Delhi
8	Dynamics of Underwater Vehicle-Manipulator Systems	Anil Kumar Sharma	IIT Delhi	Subir K. Saha Department of Mechanical Engineering Indian Institute of Technology Delhi, New Delhi
9	Collision Avoidance Under Uncertainty	Bharath Gopalakrishnan	IIIT Hyderabad	K. Madhava Krishna and Arun Kumar Singh International Institute of Information Technology Hyderabad
10	Visual Servoing Across Object Instances	Harit Pandya	IIIT Hyderabad	K. Madhava Krishna International Institute of Information Technology

			Hyderabad
11	Towards Ontology and Semantic Mapping for Multi Agent Autonomous Robots	Abhijit Boruah	Dibrugarh University	Tazid Ali Dibrugarh University, Dibrugarh Nayan M Kakoty Tezpur University, Tezpur
12	Investigations on adaptive multiple suction chamber control system for wall climbing applications	G. Muthukumaran	Hindustan Institute of Technology and Science, Chennai	Uppu Ramachandraiah Hindustan Institute of Technology and Science, Chennai
13	Kinematic Studies of A Four-Fingered Tendon Actuated Robotic Hand	Eram Neha	Jamia Millia Islamia, New Delhi	Mohd. Suhaib Mechanical engineering Department Jamia Millia Islamia, New Delhi Sudipto Mukherjee Department of Mechanical Engineering Indian Institute of Technology Delhi, New Delhi
14	Agile Aerial Manipulation - Modelling and Control	Ranjan Dasgupta	TCS Kolkata/ IIT Delhi	Shubhendu Bhasin Department of Electrical Engineering Indian Institute of Technology Delhi, New Delhi
15	Design and Analysis of Robotic Exoskeleton for Human Upper Limb Rehabilitation	Akash Gupta	UPES Dehradun	Mukul Kumar Gupta Electronics Instrumentation and Control Department University of Petroleum and Energy Studies, Dehradun
16	A Robotic Algae Harvesting System for Efficient Algae Collection	Swagat C	Tezpur University	Dhanapati Deka and Dr. Nayan M Kakoty Tezpur University Tezpur, Assam, India
17	Smart Technique For Minimally Invasive Automatic Suturing Robot	Varnita Verma	UPES Dehradun	Mukul Kumar Gupta Electronics Instrumentation and Control Department University of Petroleum and Energy Studies, Dehradun
18	Dynamics and Control of Unmanned Underwater Vehicle Manipulator Systems	Aparna Pandharkar	IIT Delhi	Subir K. Saha Department of Mechanical Engineering Indian Institute of Technology Delhi, New Delhi
19	Novel Approach towards safety in backhoe with haptics	Meera C S	UPES Dehradun	Mukul Kumar Gupta Electronics Instrumentation and Control Department University of Petroleum and Energy Studies, Dehradun
20	Navigation Techniques for Autonomous Mobile Service Robot	Nippun Kumaar A.A.	Amrita Vishwa Vidyapeetham University, Bangalore	Sudarshan T.S.B. Department of Computer Science and Engineering Amrita Vishwa Vidyapeetham University, Bangalore