

3rd National Workshop on Advances in Robotics

18th to 19th July 2016

SCHEDULE

Venue: Hall 2, IC&SR Building, IIT Madras

18th July 2016

8.45-9.30	9.30-10.30		10.45-11.45	11.45-12.45		14.00-15.00	15.00-16.00		16.15-17.15
Registration and Inauguration	Asithava Ghosal (IISc)	Tea	S K Saha (IIT D)	P M Pathak (IIT Roorkee)	Lunch	Santanu Choudhury (IIT D)	Jagannath Raju (Systemantics)	Tea	Gaurav Pandey (IIT K)

19th July 2016

9.00-10.00	10.00-11.00		11.15-12.15	12.15-12.45		14.00-15.00	15.00-16.00		16.15-17.15	17.15-17.30
Alok Mukherjee (DRDO)	Ashish Dutta (IIT K)	Tea	Sandipan B (IIT M)	Robotics Lab. Visit	Lunch	Suril Shah (IIT Jodhpur)	Ravindran B (IIT M)	Tea	Arun Mahindrakar (IIT M)	Valedictory function

Speaker	Topic
Mr. Alok Mukherjee	Unmanned Vehicle Development for Military Applications
Prof. Arun D. Mahindrakar	Formation and Synchronization of Nonholonomic Mobile Robots
Prof. Ashish Dutta	Motion Planning in 3D for Mobile Manipulator Systems
Prof. Ashitava Ghosal	Overview of Recent Activities in the Robotics and Design Lab at IISc
Prof. Balaraman Ravindran	Combining Planning and Learning for Mobile Robots
Prof. Gaurav Pandey	An Information Theoretic Framework for Sensor Data Fusion and its Applications in Autonomous Navigation of Vehicles
Dr. Jagannath Raju	Indigenous Design and Development of Industrial Robots
Prof. Madhava Krishna	Motion Reconstruction with a Moving Monocular Camera
Prof. Pushparaj Mani Pathak	Modelling of Bionic Manipulators
Prof. Sandipan Bandyopadhyay	Inverse Kinematics of Serial Manipulators
Prof. Santanu Chaudhury	Real-time Vision of Robotics
Prof. Subir Saha	Robocon to RoboMuse: Transformation of Robots for Student's Competitions to Research Platform
Prof. Suril Shah	Visual Servoing of a Multi-Arm Redundant Robot in Presence of Secondary Task