



SCHEDULE

5th July, 2023

Time	08:00 AM - 09:00 AM	09:00 AM - 1:00 PM	01:00 PM - 02:00 PM	02:00 PM - 03:00 PM	03:00 PM - 04:30 PM	04:30 PM - 04:45 PM	04:45 PM - 06:15 PM	07:00 PM - 12:00 AM
Venue	Auditorium	Senate Hall						Auditorium
Sessions	Registration	Workshop – 2			Doctoral Symposium – 1	Tea Break	Doctoral Symposium – 2	
		Seminar Hall (Satish Dhawan Block)						
		Workshop – 1		Lunch		Workshop – 3		
Workshop – 1	Design of Reconfigurable Robot using Smorphi (Dr. Prabakaran Veerajagadheswar, SUTD, Singapore)							
Workshop – 2	Rehabilitation Robotics and Assistive Technologies (Prof. Ashish Dutta, IIT Kanpur and Dr. Vineet Vashista, IIT Gandhinagar)							
Workshop – 3	Development of Robotic System using ROS and MATLAB (MATHWORKS)							

6th July, 2023

Time	08:00 AM - 09:00 AM	09:00 AM - 10:15 AM	10:15 AM - 11:00 AM	11:00 AM - 11:45 AM	11:45 AM - 1:00 PM	01:00 PM - 02:00 PM	02:00 PM - 02:45 PM	02:45 PM - 04:15 PM	04:15 PM - 04:30 PM	04:30 PM - 06:00 PM	07:00 PM - 12:00 AM
Venue	Auditorium										Auditorium
Sessions	Registration	Inauguration	Plenary Talk 1	High Tea	Technical Session – 1	Lunch	Keynote Address 1	Technical Session – 2	Tea Break	Technical Session – 3	ADDVERB Hackathon
Plenary Speaker	Prof. G.Chirikjian, NUS, Singapore										
Keynote Speaker	Prof. Dinesh Manocha, UMD, USA										

7th July, 2023

Time	08:00 AM - 09:00 AM	09:00 AM - 09:45 AM	09:45 AM - 11:00 AM	11:00 AM - 11:45 AM	11:45 AM - 1:00 PM	01:00 PM - 02:00 PM	02:00 PM - 02:45 PM	02:45 PM - 03:45 PM	03:45 PM - 04:00 PM	04:00 PM - 05:00 PM	05:00 PM - 06:00 PM	06:00 PM - 10:00 PM
Venue	Auditorium									Senate Hall		Hotel Grand Orchard
Sessions	Registration	Plenary Talk 2	Technical Session – 4	Tea Break Poster Session – 1	Technical Session – 5	Lunch	Keynote Address 2	Technical Session – 6	Tea Break	Panel Discussion	TRS GBM	Cultural Programme and Banquet Dinner
Plenary Speaker	Prof. Pietro Valdastrì, University of Leeds UK											
Keynote Speaker	Dr. N.C. Murmu, Director, CMERI, Durgapur											

8th July, 2023

Time	08:00 AM - 09:00 AM	09:00 AM - 09:45 AM	09:45 AM - 11:15 AM	11:15 AM - 12:15 AM	12:15 AM - 01:00 PM	01:00 PM - 02:00 PM	02:00 PM - 03:15 PM	03:15 PM - 04:00 PM	04:00 PM - 04:30 PM			
Venue	Session 7 & 9: Auditorium , Session 8(H) & 10(H): Senate Hall											
Sessions	Registration	Plenary Talk 3	Technical Session – 7	Technical Session – 8 (H)	Tea Break Poster Session – 2	Keynote Address 3	Lunch	Technical Session – 9	Technical Session – 10 (H)	Tea Break Poster Session – 3	Valedictory	
Plenary Speaker	Prof. Gursel Alici, UOW, Australia											
Keynote Speaker	Mr. Sangeet Kumar, Co-Founder and CEO, ADDVERB Technologies											

Sessions	Paper ID	Title	Authors
Doctoral Symposium-1 (July 5, 14:00 – 16:15)	183	Challenges in Mathematical Representation And Implementation of Aerial Robotics: Perception, Navigation, And Control	Yuvaraj George
	184	Area Coverage by a Swarm of Robots in Continuous Domain	BANASHREE MANDAL
	185	Swarm based Graph Exploration in Discrete Domain	Madhumita Sardar
	189	Autonomous Object Manipulation using Reinforcement Learning	Pranali Miss Ingole
	193	Human Control of Multiple Quadcopters for Object Transportation Applications	Pratik Prajapati
	186	A Prosthetic Hand for Transradial and Transhumeral Amputees	Amlan Jyoti Kalita

Sessions	Paper ID	Title	Authors
Doctoral Symposium-2 (July 5, 16:30 – 18:00)	187	Synergy based Control of A Prosthetic Hand using Computational Model of Cerebellum and Basal Ganglia	Maibam Pooya Chanu
	188	Development of a Wheeled Humanoid Robot with Redundant Arms for Service Applications	SHIFA SULAIMAN
	190	Push Recovery of a Biped from Different Contact Conditions	Alinjar Dan,
	191	Enhancing Robotic Ultrasound Imaging with Expert Guidance	Deepak Raina
	192	A Dual-Motor-Task Paradigm to Assess Motor and Cognitive Skill Interplay in Young and Older Adults	Yogesh Singh
	194	Modelling and Quantification of Human Joint Mechanical Impedance to Improve physical Human-Robot Interaction	Randheer Singh