

INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD

PRAVAHA: RESEARCH SCHOLARS' DAY 8.0

SCHEDULE

Venue	Time	Day 1: Friday (27 February 2026)	Venue	Time	Day 2: Saturday (28 February 2026)	
A01-007 (Lecture hall) Saraswati block			A01-007 (Lecture hall) Saraswati block	09:00 AM - 09:15 AM	Research talk 6 - "A Multimodal Caffeic Acid-derived Alkyl-amide Antidiabetic Agent: Targeting α-Glucosidase, α-Amylase, Oxidative Stress, and Protein Glycation" Ms. Karthika K <i>Department of Chemistry</i>	
				09:15 AM - 09:22 AM	Flash talk 1 - "Many Disguises of Homophobia" Ms. Pooja Nair	
				09:22 AM - 09:37 AM	Research talk 7 - "XLA-LB: Latency Aware Load Balancing Using XDP" Ms. Krishnaveni K S <i>Department of Computer Science & Engineering</i>	
				09:37 AM - 09:44 AM	Flash talk 2 - "Revisiting the Gendered Space: A Study of Indian Television Advertisements" Dr. Kashyapi Ghosh	
				09:44 AM - 09:59 AM	Research talk 8 - "Novel Electrode Systems for Electrolysis of Urea-Rich Wastewater - Waste-to-Hydrogen" Ms. B. Padmavathy <i>ESSENCE</i>	
				09:59 AM - 10:06 AM	Flash talk 3 - "Impact Dynamics and Fracture Evolution in Variable-Tension Viscoelastic Membranes: A Mechanics-Based Study of the Idakka" Kiran Mukund	
				10:06 AM - 10:21 AM	Research talk 9 - "Breaking permutation symmetry in kicked spin system" Ms. Manju C <i>Department of Physics</i>	
				10:21 AM - 10:28 AM	Flash talk 4 - "Membrane-type acoustic metamaterials: The key to low-frequency noise control" Mr. Aju R. Justus	
				10:28 AM - 10:45 AM	Tea break	
				10:45 AM - 11:30 AM	Industrial Research Lecture 2 Dr. Kishora Shetty "Beyond the Blue: Materials, Manufacturing, and Career Opportunities in Aerospace"	
Atrium			Atrium	11:30 AM - 01:00 PM	Poster presentation Venue: A01-002 Selected OELP projects (7) only	
				1:00 PM - 1:30 PM	Poster presentation Networking Lunch	
Infinite walkway			Infinite walkway	01:30 PM - 02:00 PM	Networking Lunch	
A01-007 (Lecture hall) Saraswati block		Registration (Internal and External participants) & Lunch coupon distribution (External participants)	A01-007 Saraswati block Atrium and first floor corridor	02:00 PM - 03:00 PM	Keynote address <i>Prof. Balaraman Ravindran</i>	
	01:00 PM - 01:50 PM			03:00 PM - 03:15 PM	Research talk 10 - "Efficient 3D kernels for molecular property prediction" Mr. Ankit <i>Department of Data Science</i>	Department or Stream wise presentation / interaction for external participants and industrial researchers Venue: A01-001, A01-018, A01-101, A01-120
	02:00 PM - 02:20 PM	<i>Welcome address - Dean Academics</i> <i>Release of RSD compendium</i>		03:15 PM - 03:22 PM	Flash talk 5 - "A Holistic Study on LPB-F Processed Auxetic Metamaterial for Orthopaedic Implants Application" Mr. Jithin das M.	
	02:30 PM - 03:30 PM	Keynote address <i>Prof. Deepak Dhar</i> "200 years of studies of phase transitions"		03:22 PM - 03:37 PM	Research talk 11 - "Predicting layer geometry using a physics-based analytical approach during wire and arc additive manufacturing (WAAM)" Mr. Mohammad Shabbar <i>Department of Mechanical Engineering</i>	
	03:30 PM - 04:15 PM	Industrial Research Lecture 1 Dr. Abhay Tiwari "Physics-Inspired AI: The Next Frontier of Spatial Intelligence"		03:37 PM - 04:00 PM	Tea break	
	04:00 PM - 04:15 PM	Tea Break		A01-007 (Lecture hall) Saraswati block	04:00 PM - 05:30 PM	Panel discussion <i>"Post-Research Career: Opportunities and Challenges"</i>
	04:30 PM - 04:45 PM	Research talk 1 - "Efficient Self Interference Cancellers for In-Band Full Duplex wireless communications" Mr. Ganjimala Pavankumar <i>Department of Electrical Engineering</i>			05:30 PM - 06:00 PM	Prize distribution & Closing ceremony Vote of Thanks
	04:45 PM - 05:00 PM	Research talk 2 - "Robust Hypothesis Testing with Density Power Divergence" Mr. Santu Sarkar <i>Department of Mathematics</i>				
	05:00 PM - 05:15 PM	Research talk 3 - "Brown to Gold: Thermochemical Valorization of Faecal Sludge for Energy and Nutrient Recovery in Non-Sewered Sanitation Systems" Ms. Sheemera K. H. <i>Department of Civil Engineering</i>				
	05:15 PM - 05:30 PM	Research talk 4 - "Folate-targeted MXene nanocarriers for the delivery of Doxorubicin" Ms. Gaythri V G <i>Department of Biological Science & Engineering</i>				
5:30 PM to 5:45 PM	Research talk 5 - "Re-reading the body in Indian television advertisements" Dr. Kashyapi Ghosh <i>Department of Humanities and Social Sciences</i>					
Agora auditorium (Nila campus)	05:45 PM - 06:00 PM	Shuttle to Agora. Refreshments at Agora	Agora auditorium (Nila campus)	06:00 PM - 06:15 PM	Transport to Agora & Refreshments at Agora	
	06:00 PM - 07:45 PM	Cultural evening <i>Flute Recital by Shri. Vijayagopal (SPICMACAY)</i>		06:15 PM - 08:00 PM	Cultural evening <i>Programs by internal research scholars</i>	