

Padarth MSE Research Scholar Day 2022

Program Schedule

Time	Event	Venue
9:00 to 9:10 am	Inauguration talk	L16
9:10 to 9:40 am	Guest lecture (Prof. Dipak Mazumdar) “Career-competition and Concerns: A Personal Perspective”	L16
9:40 to 10:00 am	Tea Break	Outside L16
Session 1		
10:00 to 10:15 am	Krashnavtar “Modelling of Inductively Stirred Melts in Steelmaking”	L16
10:15 to 10:30 am	Anurag Bajpai “Data driven approach to design Multicomponent Metallic Glasses”	L16
10:30 to 10:45 am	Sandip Guin “A diffuse interface approach to study precipitate migration under temperature gradient”	L16
10:45 to 11:00 am	Ashwani Kumar “Synthesis and characterization of lanthana (La ₂ O ₃) based oxide dispersion strengthened (ODS) steels”	L16
11:00 to 11:15 am	Discussion	L16
11:15 to 11:55 am	Two Minute Thesis	L16
Session 2		
11:55 to 12:10 pm	Nikhil Chaurasia “A Novel Training Methodology for Phase Segmentation of Steel Microstructures Using a Deep Learning Algorithm”	L16
12:10 to 12:25 pm	Roopam Jain “Long range stresses and strain hardening behaviour of additively manufactured SS316L alloy”	L16
12:25 to 12:40 pm	Rishikesh “A glimpse into hydrostatics, dynamics and statistics in a gas stirred liquids”	L16
12:40 to 12:55 pm	R. Thirupathi “Strategic Co-doping Approach using Sc and Ce towards Enhanced Conductivity in NASICON type Na ₃ Zr ₂ Si ₂ PO ₁₂ ”	L16
12:55 to 1:10 pm	Discussion	L16

1:10 to 2:00 pm	Lunch Break	
Session 3		
2:00 to 2:15 pm	Susanta “ Experimental Determination Formation Enthalpy of Vacancy in High Entropy Alloys ”	L16
2:15 to 2:30 pm	Kaushal Shakya “ Bio-polymer based hemostatic dressing ”	L16
2:30 to 2:45 pm	Deepak Paliwal “ Microstructure-Texture-Mechanical property evolution of grooved rolled and short term annealed pure OFHC copper ”	L16
2:45 to 3:00 pm	K. Vishwanath “ Rapid assessment of corrosion susceptibility of mild steel in simulated splash zone condition ”	L16
3:00 to 3:15 pm	Discussion	L16
3:15 to 3:45 pm	Meta Buzz	L16
3:45 to 4:00 pm	Tea Break	Outside L16
4:00 to 5:30 pm	Poster Presentations + Metallography (4:00 to 5:30 pm) Debate (4:00 to 4:30 pm) Elucidate (4:30 to 5:00 pm)	Outside L16 L16 L16
5:30 to 6:00 pm	Prize distribution and Group Photograph	L16