

Friday, November 22nd, 2024

Special PhD Student's Session

Room No: F4

Sr. No.	Time Slot	Moderator	Prof. Dipak Mazumdar, IIT Kanpur	
	9:00 - 11:15	Session Chair (Industry)	Dr. Sujoy Hazra, JSW Steel Ltd.	
		Session chair (Academia)	Prof. R.K. Ray	
		Student Name	Affiliation	
1	9:00 - 9:20	Rajat Mishra	IIT Gandhinagar	Controlled directionality in 3D printing of graphite-reinforced polymer composite with enhanced mechanical properties
2	9:20 - 9:40	Sandeep Kumar	IIT Bombay	Kinetics of the reaction between solid inclusions in liquid steel
3	9:40 - 10:00	Ansuman Dash	IISc. Bengaluru	Prediction of leaching efficiency of Rare Earth Elements (REEs) from Phosphogypsum by machine learning methods
4	10:00 - 10:20	Sumanta Maji	IIT Kanpur	Exploring Slag Foaming and Flushing Dynamics in EAF Steelmaking: Insights from a Cold Model Study
5	10:20 - 10:40	Syed Furqan Bukhari	IIT Hyderabad	Mathematical Modeling of Motion of Carrier Gas and Mg Particle in the Top Lance during Hot Metal Desulphurization Process
6	10:40 - 11:00	Mukesh Kumar Yadav	IIT Kharagpur	Insights into thermomechanical processing of Al added low density medium Mn steel
11:00 - 11:30 Tea Break				
Sr. No.	Time Slot	Moderator	Prof. Dipak Mazumdar, IIT Kanpur	
	11:30 - 13:30	Session chair (Industry)	Mr. Babu Sathian, MD Process Pumps (India) Pvt Ltd	
		Session Chair (Academia)	Prof. Bikramjit Basu, IISc Bengaluru	
		Student Name	Affiliation	
1	11:30 - 11:50	Debopriyo Banerjee	IIT Kharagpur	Effect of variation of composition on atomistic structure of ternary Cu – Zr – Al based BMG
2	11:50 - 12:10	D. Kamala Nathan	NIT Surathkal	Fluid flow and heat transfer during injection molding of pet
3	12:10 - 12:30	Rohit Anand	IIT Kharagpur	Layered intercalated architecture of Ni ₂ V ₂ O ₇ nanoparticle and N-doped reduced graphene oxide composite sheet as an electrode material for asymmetric supercapacitor
4	12:30 - 12:50	SreeLakshmiAditya Gowravaram	IIT Bombay	The influence of CaF ₂ -free SAW fluxes on the elemental transfer behavior: Thermo-chemical modeling approach
5	12:50 - 13:10	Devendra Nama	IIT Kanpur	Interparticle Diffusion Kinetics of Reduction of Hematite Fines by Hydrogen at Moderate Temperatures
6	13:10 - 13:30	Sheshnag Singh Chandel	IIT Ropar	Innovative Approach for Transforming Iron-Rich Electric Arc Furnace Slag into a Secondary Resource for the Steel Industry