

PMRF IITH SYMPOSIUM-2021

INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD

DATE 22.10.2021

TIME: 9:00 AM

MEETING LINK: [MEET.GOOGLE.COM/ZXC-SVNM-FJC](https://meet.google.com/zxc-svnm-fjc)



SYMPOSIUM REGISTRATION LINK: [HTTPS://FORMS.GLE/AAZJP5H8CSD3NN4J8](https://forms.gle/AAZJP5H8CSD3NN4J8)



PMRF
Prime Minister's Research Fellows



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भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

PROGRAM

Date: 22.10.2021 (Friday)

09:00 AM to 09:10 AM	Registration & Reception
09:10 AM to 09:20 AM	Opening Ceremonies & Keynote Addresses Prof B. S. Murty, The Director, IIT Hyderabad
09:20 AM to 09:25 AM	Address by Faculty In-charge Prof Ganesan Prabu Sankar, Faculty In-charge PMRF
09:30 AM to 04:50 PM	Presentations
04:50 PM to 05:00 PM	Closing Ceremonies

PRESENTATIONS

List of Speakers	Time	Title
K Hari Chandana	9:30 AM to 9:50 AM	Unified Paradigms for Deep Learning with Limited Labeled Data
Mehta Viraj Hiteshbhai	9:50 AM to 10:10 AM	3D printed Tumor-on-a-chip for anti-cancer combinatory drug screening
Suranjita Ganguly	10:10 AM to 10:30 AM	Electrophysiological profiling of sensory processes in patients with diabetic peripheral neuropathy
Soham Ghosh	10:30 AM to 10:50 AM	Comparative characterization of one detergent-based and another detergent-free method for efficient decellularization of caprine lung tissue matrix and formulation of hydrogel bioink
Sri Amruthaa S	10:50 AM to 11:10 AM	Role of ferroptosis in sensitization of cancer cells to radiation therapy
<i>Tea Break</i>		
Yashaswini M R	11:20 AM to 11:40 AM	Virtual Patient for Stroke
Chandrashekar Lakavath	11:40 AM to 12:00 PM	Shear Behavior of Ultra High Performance Fibre Reinforced Post Tensioned Concrete Deep Beams
Vikram Kishore Bharti	12:00 PM to 12:20 PM	Nanostructured carbon material for high-performance metal-sulfur (metal = Li, K) batteries
Sougat Das	12:20 PM to 12:40 PM	Development of a polymer based dual drug formulation for glaucoma treatment protocol
Abbavaram Gowtham Reddy	12:40 PM to 01:00 PM	Towards Explainable AI: Causality in Deep Neural Networks
<i>Lunch Break</i>		
Kancheti Sai Srinivas	02:00 PM to 02:20 PM	Incorporating Causal Knowledge in Neural Networks
Shweta Sagar	02:20 PM to 02:40 PM	Earth abundant metal catalyzed organic transformations
Saiyam Dobhal	02:40 PM to 03:00 PM	Fiber reinforced polymer composites for better ballistic impact protection

Nemalidinne Siva Mouni	03:00 PM to 03:20 PM	Adaptive User Pairing for NOMA Systems with Imperfect SIC
<i>Tea Break</i>		
Adduru U G Sankararao	03:30 PM to 03:50 PM	AI Driven UAV based Hyperspectral Imaging for Agriculture
Partha Pratim Goswami	03:50 PM to 04:10 PM	Affordable DL-Based Point of Care Ultra-Sensitive Multi-Bio-Molecular Detection Platform for Early Prediction and Risk-Stratification of CVD
Arkajyoti Jha	04:10 PM to 04:30 PM	Laser-material interaction and real-time monitoring
Desetti Sujatha	04:30 PM to 04:50 PM	Understanding the deformation and thermo-mechanical processing behavior of novel multiphase medium/high entropy alloys