

Women in Engineering

December 15, 2021 (Wednesday) 11.00 AM – 5.30 PM	
Duration	Topic & Speaker
Invited Talk (11.00 – 11.20 AM)	
<p>Emerging Communication Technologies and their Use cases</p> <p>Dr. Sakshi Kaushal Professor, CSE, Punjab University, Chandigarh</p>	
<p>Track – 1 (11.20 am – 12.20 pm) Optical NwS / Optimization</p>	
60 Min.	<p>A Prediction-based Online Cost Optimization Algorithm for 5G Vertical Jyoti Tiwari (Indian Institute of Technology, Hyderabad, India)</p> <p>Efficient Seed Selection for IC-IS Multiphase Diffusion Model Kalyanee Devi (Indian Institute of Information Technology, Guwahati, India)</p> <p>Routing and Scheduling of Key Assignment in Optical Networks secured by Quantum Key Distribution Purva Sharma (Indian Institute of Technology, Indore, India)</p>
<p>Track – 2 (12.20 – 1.00 pm) Communications</p>	
40 Min.	<p>On the Performance of Hovering UAV-Based FSO Communication System Deepshikha Singh (IIT Indore, India)</p> <p>Synchronization in Power-Efficient DST-based ACO-OFDM-VLC Systems Suseela Vappangi (VIT Andhra Pradesh, India)</p>
<p>Lunch Break (1.00 – 2.20 PM)</p>	
<p>Track – 2 (2.20 – 2.40 pm) Continues... Communications</p>	
20 Min.	<p>Secrecy Rate Maximization at Near User in Untrusted NOMA with Trusted DF Relay Insha Amin (Indian Institute of Technology, Jammu, India)</p>

Track – 3 (2.40 – 3.20 pm)

Networking

40 Min.	<p>Joint Power Allocation and User-pairing in Multi-beam Hybrid Satellite Terrestrial Networks Jayati Dutta (Indian Institute of Technology Hyderabad, India)</p> <p>Maximal Ratio Sparse Vector Coding for Short Packet Transmission Astha Awasthi (National Institute of Technology, Meghalaya & Meghalaya, India)</p>
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Refreshments (3.20 – 3.50 PM)

Track – 3 (3.50 – 4.30 pm) Continues...

Networking

40 Min.	<p>Optimal User Pairing using the Shortest Path Algorithm Kanchana Katta (Indian Institute of Information Technology Senapati, Manipur, India)</p> <p>IB-RPL: Embedding Isolation and Blacklisting of Malicious Nodes in RPL for Securing IoT-LLNs Rashmi Sahay (The ICFAI Foundation for Higher Education, Hyderabad, India)</p>
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Track – 4 (4.30 – 5.30 PM)

Blockchain technology/Machine Learning

60 Min.	<p>Hybrid Intrusion Detection System using an Unsupervised method for Anomaly-based Detection Saumya Bhadauria (ABV-IIITM Gwalior, India)</p> <p>Intellectual Property Protection using Blockchain and Digital Watermarking Saumya Bhadauria (ABV-IIITM Gwalior, India)</p> <p>Blockchain-inspired Distributed Trust in a Smart Vehicular Network System Tripti Samal (North Carolina State University, USA)</p>
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