SRM UNIVERSITY AP
Andhra Pradesh

May 23-27, 2022

Faculty Development Programme on
Recent Advancements in Optical Communication and Wireless Networks

Mode of Lectures: Virtual at SRM University-AP

SRM University-AP, Andhra Pradesh is pleased to announce a Faculty Development Program on **Recent advancements in optical communication and wireless networks.** This five-day hybrid program aims to enhance research capabilities mainly for the researchers and professionals working in Free Space Optics and advanced wireless communication networks. Eminent scientists and professors from highly reputed institutes will be invited to share their research experiences. The program will be managed by the faculties of Department of ECE, SRM-AP. The session is planned from May **23-27, 2022** and the duration of the scheduled sessions between 14:00 -17:00 Hrs.

Topics will be covered, but not limited to:

1. Visible Light Communication
2. Optical Imaging and Holography
3. Computational Optical Sensing and Imaging.
4. VLC for IoT Networks.
5. Terahertz Photonics for Wireless Communications.
6. Deep learning for Wireless Networks.
7. Intelligent Reflecting Surfaces.
8. Edge Computing for IoT Networks.
9. Beyond 6G Communications.
10. Molecular Communications.

Registration Fee

There is no registration fee for this program. The certificate will however be provided to all the attendees upon full attendance.

Target Audience

Faculties from Abroad and Indian Institutes, Research scholars, PG/UG students. This program will be especially helpful to those participants who are doing or planning to start research carrier in Optical/Wireless communication network domains. The recordings of the sessions will also be provided to all attendees.

Programme Convenors

1) Dr Inbarasan Muniraj (Email: inbarasan.m@srmap.edu.in, Mobile - 9486860337)
2) Dr Sunil Chinnadurai (Email: sunil.c@srmap.edu.in, Mobile - 9444601117)
3) Dr Satish Tiwari (Email: satishkumar.t@srmap.edu.in, Mobile - 8770938589).

Registration Link and QR Code: https://bit.ly/SRMAP_FDP_ECE

Tentative Programme Schedule:

Keynote Speaker: Prof M S Alouini, KAUST, Saudi Arabia.

Topic: Towards Connecting the Remaining 3 + Billion.

(Day 1: May 23, Monday. Time: 10.30 AM – 12.00 PM)

Day	Name of the Speaker/Slot 1 (2:00-3:30 PM)	Name of the Speaker/Slot 2 (3:30- 5:00 PM)
Day 1 (23rd May) (Monday)	Prof V Bhatia, IIT Indore. Topic: Visible Light Communications.	Pro S K Patra, Director, IIITVadodara. Topic: Deep Learning for Wireless Communications.
Day 2 (24th May) (Tuesday)	Prof N Purohit, IIIT Allahabad. Topic: Promising Technology for Upcoming Wireless Networks.	Prof P Singh, NIT Rourkela. Topic: Advanced Wireless Communications.
Day 3 (25th May) (Wednesday)	Prof Aditya Trivedi, IIITM Gwalior. Topic: Spatial Modulation for Advanced Communication Systems.	Dr Prasanakumar Palaniappan, Senior Researcher, Ludwig Maximillians University, Germany. Topic: Optoacoustic Signal and its Applications.
Day 4 (26th May) (Thursday)	Dr Alvaro Fuentes Senior Researcher, Jeonbuk National University, South Korea. Topic: Deep Learning and IoT for Smart Agriculture.	Dr Umesh Sampath, Senior Research Engineer, Inzi Controls, co. Ltd, South Korea. Topic: Recent Advancement in Fiber Optic Communications.
Day 5 (27th May) (Friday)	Prof Jun Li Guangzhou University, China. Topic: Index Modulation for 6G Communications.	Dr Vaibhav Kumar, Senior Researcher, University College Dublin, Ireland. Topic: Intelligent Reflecting Surface Assisted Wireless Communications for 6G.