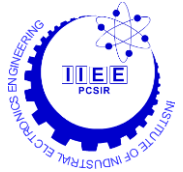




Government of Pakistan  
(Ministry of Science & Technology)



# Institute of Industrial Electronics Engineering

Pakistan Council of Scientific & Industrial Research (PCSIR)

## Interactive Lecture Program on

## Integration of 5G with Passive Optical Network (PON)

**Objective:** 5G networks and services will be deployed in stages over the next several years to accommodate the increasing reliance on mobile and internet-enabled devices. Overall, 5G is expected to generate a variety of new applications, uses and business cases as the technology is rolled out. **5G facilitates industry 4.0 to boost production, improve process efficiency, and ensure sustainability** at an industrial manufacturing enterprise. The objective of this lecture program is to create **general awareness** among the audience regarding the **5G wireless network and the various enabling technologies** used in the access, transport and the core section of the 5G network.

The Lecture Program would highlight the following **learning objectives**:

- Future Demands and Existing Access Networks
- Evolution of Passive Optical Networks (PON)
- Evolution of Wireless Networks (1G to 5G)
- Challenges in 5G Networks
- Existing Research Trends in Integration of 5G with PON

CPD Category: C

Date : 30-12-2022.

**Course Timings:** 14:00 Hours – 16:00 Hours.

CPD PEC Credit Points: 0.5

Course Fee: 1000/= (Rupees One Thousand only).  
500/= (Rupees Five Hundred Only).[For Students]

Pay order should be in favor of **“IIEE(PCSIR) Student Fund Account”**. **Only Pay orders are accepted.**

**Resource Person:** **Engr. Syed Saeed Jaffer**

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**For Registration:** Email at [daudaniasghar@iiee.edu.pk](mailto:daudaniasghar@iiee.edu.pk) or [sameer@iiee.edu.pk](mailto:sameer@iiee.edu.pk)