

# **COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH INNOVATION PROTECTION UNIT**

## **Monthly Lecture Series on Innovation and IPR Management**

**July 2025, Lecture by Dr. Nandini Basu Mallick, Sr Principal Scientist, CGCRI, Kolkata**

**On**

**" Fiber Bragg grating sensors for online monitoring of pantograph  
(current collector) of an electric locomotive"**



**on**

**19<sup>th</sup> July 2025**

**11.00 am – 12.00 pm**

Microsoft Teams

Meeting ID: 489 944 349 824 0

Passcode: tB7Gi2TC

Join on a video conferencing device

Tenant key: [380630916@t.plcm.vc](mailto:380630916@t.plcm.vc)

Video ID: 133 585 768 0

Organizing team: Dr Bhanu Verma, Dr Lipika Patnaik

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