



Press Release

## IIT Bhubaneswar Hosts Talk on MicroLED Technologies and Advanced Gas Sensors

**Bhubaneswar, 19<sup>th</sup> February 2026:** The School of Electrical and Computer Sciences (SECS), IIT Bhubaneswar, in association with the IEEE Bhubaneswar Section, organized a technical talk on emerging electronic and sensing technologies on 19<sup>th</sup> February 2026.

The keynote address was delivered by Prof. Ioannis (John) Kymissis, Vice Dean for Infrastructure and Innovation and Kenneth Brayer Professor of Electrical Engineering at Columbia University, New York, on “MicroLEDs for Display and Non-Display Applications”. Prof. Kymissis discussed the superior performance characteristics of MicroLEDs, including high efficiency, luminance, and durability. He highlighted their emerging applications beyond displays, such as biomedical imaging, visible light communication, microscopy, and IoT-enabled systems. He also outlined key technological challenges and ongoing research efforts to address issues related to thermal management, device integration, and system-level optimization.

The session also featured Abhijit Narayan Eshore, Doctoral Researcher at IIT Kharagpur, who spoke on inorganic perovskite-based gas sensors for monitoring climate-relevant atmospheric pollutants. His talk highlighted recent advances in defect engineering, sensor selectivity, and machine learning-assisted gas identification for environmental monitoring applications.

Dr. Sayan Dey, Assistant Professor (ECE), School of Electrical and Computer Sciences coordinated the programme.

The event witnessed enthusiastic participation from faculty members, researchers, and students, and provided a valuable platform for academic interaction on cutting-edge developments in electronics, sensing technologies, and climate-relevant engineering solutions.

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