

INSTITUT PENYELIDIKAN DAN TEKNOLOGI NANO OPTOELEKTRONIK (INOR)

Technical Visit

Institute of Nano Optoelectronics Research and Technology (INOR), USM.

Synopsis

The technical visit to the Institute of Nano Optoelectronics Research and Technology (INOR), a Higher Education Centre of Excellence (HICoE) at Universiti Sains Malaysia (USM), offers a unique opportunity for engineers, researchers, and industry professionals to gain first-hand insights into cutting-edge semiconductor technologies, particularly III-nitrides, and their pivotal role in the fabrication and characterization of advanced optoelectronic and electronic devices at the nanoscale. Participants will be introduced to INOR's state-of-the-art facilities, including:

- MOCVD Laboratory – for precision growth of semiconductor materials at the atomic level.
- Fabrication Laboratory – for device manufacturing using advanced semiconductor processes.
- Characterization Laboratory – for performance testing and quality assessment of semiconductor devices.

In addition to facility tours, the session will foster knowledge exchange and collaborative discussions between academia and the engineering sector, exploring potential partnerships in semiconductor research and innovation. This visit is designed not only for semiconductor specialists, but also for those from diverse technical backgrounds who wish to broaden their understanding of this transformative technology and its applications in modern industries.

Coordinator: Ir. Ts. Lee Choo Mou

Speakers:

1. Assoc Prof. Ts. Dr. Mohd Zamir Pakhuruddin
2. Assoc Prof. Dr. Lim Way Foong



29 October 2025(Wed)



9.00 am – 12.30 pm



INOR, USM SAINS@USM,
Block A, Ground Floor, 10,
Persiaran Bukit Jambul, Bukit
Jambul, 11900 Bayan Lepas,
Pulau Pinang

BEM Approved CPD/PDP Hours: **3**
Ref: IEM25/PG/401/V

REGISTER ONLINE
iempenang.org

Free Admission for IEM members

Limit to 20 Participants Only

Time	Details
9.00 am - 9.30 am	Arrival & Registration
9.30 am- 10.00 am	Introduction by Director of INOR
10.00 am - 10.45 am	Technical Presentation
10.45 am - 11.45 am	Laboratory Tour
11.45 am - 12.30 pm	Round Up / Q&A Session
12.30 pm	End

This Event is organized by:

