

1 DAY SEMINAR SENSOR TECHNOLOGY

Theme: Exploring and understanding all types of sensor technology.

Organised By : Electrical Engineering
Technical Division, IEM



DATE

6th March 2025
(Wednesday)



TIME

9am to 5pm



VENUE

Malakoff Auditorium,
Grd Floor, Wisma IEM



BEM APPROVED CPD
HOURS:
Ref: Applying

Registration **100 pax
only**



**LIMITED
OFFER!**

COURSE SYNOPSIS:

This one-day intensive course on Sensor Technology aims to delve into the fascinating world of sensors and their diverse applications. Designed for professionals and enthusiasts alike, the course provides a comprehensive overview of the latest advancements in sensor technology and their practical uses across various industries.



03-79684001



www.myiem.org.my

Programme

Morning Session:

9:00 AM - 10:30 AM: Introduction to Sensor Technology - Overview of different types of sensors - Principles, functionalities, and classifications

10:30 AM - 11:00 AM: Break

11:00 AM - 12:30 PM: Exploring Sensor Applications - Utilization of sensors in various fields such as healthcare, automotive, manufacturing, and environmental monitoring

12:30 PM - 1:30 PM: Lunch Break

Afternoon Session:

1:30 PM - 3:00 PM: Developing Sensor Proposals

Insights and best practices for creating effective sensor proposals for clients or customers - Case studies and real-world examples

3:00 PM - 3:30 PM: Break

3:30 PM - 5:00 PM: Hands-On Workshop - Practical session on designing and implementing sensor solutions Reinforcing theoretical knowledge through hands-on experience

5:00 PM - 6:00 PM: Future of Sensors - Discussion on future possibilities and potential breakthroughs in sensor technology How to stay ahead in the field

Course Goals:

To provide a solid understanding of various sensor technologies and their applications. To equip participants with the knowledge to develop and propose sensor solutions for different applications types.

To foster a deep appreciation for the role of sensors in innovations and industry advancements. By the end of the course, participants will have a robust understanding of sensor technologies, enhanced skills in developing sensor proposals, and an appreciation for the latest trends and future directions in this dynamic field

Speakers Profile : Bernd Hartmann

- **Expertise:** Over 18 years in KNX technology and six years in building automation and sensor technology.
- **Specializations:** Presence detection, constant lighting control, air quality management, and HVAC control.
- **Technical Knowledge:** Proficient in KNX, DALI, and various integration methods for sensors and systems.
- **Key Achievements:**
 - Launched KNX actuators globally.
 - Developed the DALI-2 KNX Gateway.
 - Planned large-scale projects with extensive sensor-controlled systems.