

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 (Thursday) TIME

9am to 5pm

VENUE

Malakoff Auditorium, Grd Floor, Wisma IEM

BEM APPROVED CPD HOURS: 7 Ref: IEM25/HQ/076/S

Registration 100 pax only



COURSE SYNOPSIS:

03-79684001

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.

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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.**