

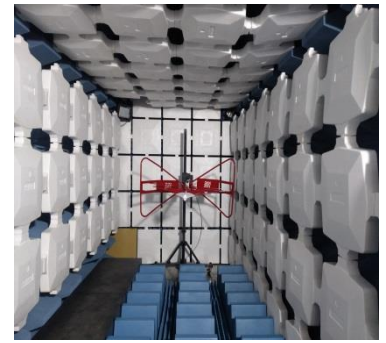


**EMC / Wireless Test Chamber, SENSE & IEEE EMCS Student Branch Chapter  
Vellore Institute of Technology,  
Vellore-632014, TamilNadu**

*in association with*

**iAMPS & Hz Technology Solutions Pvt. Ltd., &  
ETS-Lindgren Engineering India Pvt Ltd**

*organizes*



## **Three Days Workshop on “EMC/EMI Techniques and Standards” 19<sup>th</sup> – 21<sup>st</sup> January 2023**

### **About the Workshop:**

Electromagnetic Compatibility (EMC) is the ability of equipment and systems to function as designed in their intended operational environment without adversely disturbing or being affected by other equipment or systems. But the current and future dramatic increase in high-speed digital circuits and high-frequency wireless products cause Electromagnetic Interference (EMI) within and between those systems. Identifying the sources of EMI and designing the products for EMC is a topic of serious concern for manufacturers and users of electronic products in the global market. Workshop will provide an overview of EMI/EMC techniques, standards and testing through lectures as well as hands-on training.

### **Workshop Schedule:**

#### **Day 1: 19 January 2023**

*EMC and EMI – Basics [10:00 AM to 12:30 PM]*

**Dr. VRK Murthy , Retired professor, IIT Madras**

*EMC/EMI-An Industry Perspective and Standards [02:00 PM to 04:30 PM]*

**Dr. Ananth Krishna, CEO, iAMPS & Hz Technology Solutions Pvt. Ltd.,**

#### **Day 2: 20 January 2023 [10:00 AM to 12:30 PM & 02:00 to 04:30 PM ]**

- *Introduction to EMI/EMC testing*
- *Types of anechoic chamber*
- *EMI/EMC test procedure*
- *Advantage in using anechoic chamber*
- *Anechoic chamber validation tests*
- *Introduction to antenna pattern measurements*

**Mr Prince, EMC Engineer, ETS-Lindgren Engineering India Pvt Ltd.,**

#### **Day 3: 21 January 2023 [10:00 AM to 12:30 PM & 02:00 to 04:30 PM ]**

- *Hands-on training on to use spectrum analyzer, network analyzer*
- *Basic Antenna parameter measurements*
- *Demonstration of EMC / EMI measurements – Radiated Emission at Anechoic Chamber*

**Mr. Akshay, iAMPS & Hz Technology Solutions Pvt. Ltd.,**

**Registration Fee:** [Inclusive of 18% GST]

Rs.250/- IEEE Student Member; Rs.500/- Student / Research Scholars; Rs.1000/- Faculty; Rs.3000/- R&D Org.; Rs.5000-Industry Participants

[Includes registration kit, and snacks]

**Registration Link:** <https://events.vit.ac.in/>

### **Coordinators**

Dr Zachariah C Alex, Dr Shambavi K & Dr SureshKumar TR

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Vellore Institute of Technology, Vellore.

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