

Workshop Topic Details:

1. Radar and Communication Technologies, Circuits and Systems

- **T/R Module System/Design**
- **Phased-Arrays: Basics, Past, and Future Trends**
- **SiGe BiCMOS Technology for Phased Array Applications**
- **Advances in GaAs/GaN Technology and Design for T/R Module Applications.**

2. Electro-Optical Imaging Systems: Technology and Applications

- **Detectors and Readout Circuits**
- **Imaging Systems**

3. Electro- Micro and Nano Technologies

- **MEMS (RFMEMS, inertial, etc.)**
- **Nanotechnologies/Nanoelectronics**
- **Large-Scale Graphene for Nanoelectronics**

4. Electro- Terahertz Technology and Systems

- **Present and Future of Terahertz Communications**
- **Challenges of passive millimeter wave imaging**

5. Packaging, Testing and Qualification

- **Reliability, Radiation Hardness**
- **Testing & Qualification**
- **Packaging & 3D Integration**