Call For Papers

• Microelectronic Devices and Materials
  – Silicon Integrated Circuits Technologies
  – Advance Memories Technology
    (Flash, FeRAM, PCM RRAM, MRAM etc.)
  – Sensors and MEMS
  – Organic Semiconductor Devices and
    Technologies
  – Silicon Photonics
  – Nano-Electronic and Nano-Photonic Devices
  – Physics and Simulation of Optoelectronic
    Devices

• Compound Semiconductor
  Materials, and Optoelectronic
  Devices
  – Compound Semiconductor Materials,
    Devices and Technologies
  – Optical Devices and Modules
  – Optical Communication
  – Fiber Optics and Fiber Sensing
  – Optical Thin Films
  – Laser Optics
  – Nano-Electronic and Nano-Photonic Devices

• Renewable and Sustainable
  Energy Device and Materials
  – Solid State Lighting and Displays
  – Organic, Inorganic, and Hybrid Photovoltaics
  – Nano-Electronic and Nano-Photonic Devices
  – Energy Harvesting and Transferring
    Mechanisms
  – Enabling Materials and Fabrication
  – Transparent and Flexible Optoelectronics
  – Renewable energy electronics
• Integrated Circuits and Systems
  – Analog and Mixed-Signal Circuits and Systems
  – Wireline and Wireless
  – Communication Circuits and Systems
  – Data Converters
  – Power Management and Converters
  – Sensors and Actuators
  – Embedded Systems, Multi/Many
  – Core Systems & Embedded Memory
  – Technologies
  – Reconfigurable and Programmable Circuits and Systems
  – System Level Design Methodology and Tools
  – Design for Testability and Manufacturability
  – Design Verification

• Bioelectronics
  – Processing/Devices/Circuits Modeling and Simulation
  – Nano-Electronic and Nano-Photonic Devices
  – Biomaterials
  – Biomedical Devices
  – MEMS & NEMS
  – Sensors and Actuators
  – Bio images
  – Bio Circuits and Systems

• Sensors, Packaging Technologies and Novel Applications in Science and Technology
  – Sensor and Photodetectors
  – Sensors and MEMS, Fiber Optics and Fiber Sensing
  – Reliability, Packaging and Testing
  – Technologies, Sensors and Photodetectors
  – Package Technology
  – Sensor Application in Science and Technology
  – Sensors & Actuators
  – Sensors Materials
  – Sensors Technology

• RF and Microwave Circuits
  – RF circuits
  – Microwave Circuits
  – Millimeter Wave Techniques
  – Antenna
  – Electromagnetic Waves
  – EMC & EMI
• **Computer Communication and Multimedia Techniques**
  - Computer Networks
  - Software Defined Network
  - (SDN)/ Network Function
  - Virtualization (NFV)
  - Internet Applications
  - Communication Protocols
  - 5G Architecture and Communications
  - Multimedia Systems and Applications
  - Embedded Systems and Applications
  - Mobile Computing
  - Video/Audio Signal Processing
  - Digital Signal Processing
  - AR/VR technique
  - Computer Vision
  - Computer Graphics

• **IOT and AI Techniques**
  - Internet of Things
  - Internet of Vehicle
  - Artificial Intelligence
  - Machine Learning
  - Deep Learning
  - Cloud Computing
  - big Data

• **Power and Control Engineering**
  - Power Systems
  - Power Electronics
  - Motor Control
  - Remote Monitoring and Control
  - Home Automation
  - Intelligent Transportation Systems
  - Automotive Electronics

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### Important Dates

- **Paper submission:** 2021/4/11
- **Author notification:** 2021/5/11
- **Registration:** 2021/6/15
- **Conference:** 2021/7/10 – 7/12
- **Website:** isne2020.aconf.org, isne2021.aconf.org

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**We look forward to your participation!**

**Inquiry:**

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