

# **2024 IEEE Academic International Symposium on Optoelectronics and Microelectronics Technology (AISOMT)**

## **Call for paper (first round)**

2024 IEEE Academic International Symposium on Optoelectronics and Microelectronics Technology (AISOMT) will be held in Harbin during November 21-22, 2024 by Harbin Institute of Technology, Heilongjiang Optical Society and IEEE EDS Harbin Chapter cooperating with other units. The conference will focus on academic discussions in the scientific research fields of laser and laser technology, nonlinear optics, laser physics, laser application technology, MEMS, Integrated Circuit, etc. The committee will invite famous experts in photoelectron and microelectronics at home and abroad to give lectures. We warmly welcome scientific researchers in these fields to submit and take part in the symposium. The proceedings that meet IEEE quality review standards maybe eligible for inclusion in the IEEE Xplore Digital after the review taken by IEEE conference publication group and then submitted to EI Compendex index.

**Conference website:** <http://www.aisomt.cn/>

### **SUBMISSION Deadlines:**

Please submit the full paper with 4-6 pages edited with the template.

Manuscript submission deadline, **20th October 2024**

### **TOPICS:** (Including, without limitation)

- **Laser and laser technology:** solid-state laser and its technology, semiconductor laser and technology, fiber laser and technology, tunable laser and technology, gas laser and technology, THz laser and technology, X-ray laser and technology;
- **Nonlinear optical technology:** Stimulated Brillouin Scattering (SBS), Optical Parameter Oscillator (OPO), ultrashort laser pulse technology, frequency mixing technology;
- **Laser application technology:** laser imaging radar, laser space communications, laser image processing, laser machining, fiber optical sensor, laser detection;
- **MEMS :** Sensors and Actuators, 3D chips, Power MEMS, Nano technology, Fluidic MEMS, Wireless sensor net.
- **Integrated Circuit:** System-on-chip design, multi-core systems, digital architectures, Low-Power and reliability Design, Analog and mixed-signal IC design, ASIC

**Authors should submit their articles via paper submission system**

**Organized by:** Harbin Institute of Technology,

**Co-Sponsor:** Heilongjiang Optical Society

**Technology Sponsor:** IEEE EDS Harbin Chapter

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(To be updated.)

**Registration Fee (include Page Charge):** for general attendees RMB ¥ 2400/person, for student RMB ¥ 2200/person.

**Contact us:**

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**Organizing Committee of 2024 IEEE Academic International Symposium on Optoelectronics and Microelectronics Technology (AISOMT)**

**2024-09-01**