

**IEEE 2018 International Conference
on Applied Superconductivity and
Electromagnetic Devices**
April 15-18, 2018
Wuhan, China

IEEE Beijing Section
IEEE

华中科技大学
HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

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CALL FOR PAPERS

Welcome and Introduction

IEEE International Conference on Applied Superconductivity and Electromagnetic Devices (ASEMD 2018) will be held from April 15 to 18, 2018 in Wuhan, China. The IEEE ASEMD devotes itself to providing a platform for researchers, scientists, and engineers to present their latest R&D achievements and to exchange useful information and experiences in the field of applied superconductivity and electromagnetic devices. ASEMD2018 is sponsored by IEEE, with co-sponsors and principal organizers of Huazhong University of Science and Technology, Tianjin University.

Scope, Topics, and Program

The scope of the conference includes principally the following topics:

A. Materials

1. Superconducting (SC) material
2. Practical superconductors (wires/tapes, cable, bulk, and film)
3. Advanced materials for emerging Electromagnetic technologies.
4. Properties(vortex dynamics, electro-magnetic, mechanical, stability,etc)

B. Superconducting Electric Power Devices

1. Power cable, transformers, FCL
2. SMES, reactors, etc
3. Current leads
4. Analysis of power system with SC device

C. Electrical Machines and Equipment

1. Superconducting machines
2. Permanent magnet and special machines
3. Electromagnetic devices
4. Magnetic levitation

D. Magnets and Devices

1. Superconducting magnet
2. Permanent magnets
3. Fusion and accelerator magnets
4. High field magnets
5. Medical and other applications

E. Superconducting Electronics

1. Electronic devices and circuits
2. Detectors
3. SQUIDS and applications

F. Cryogenics and Thermal/Electrical Insulation for SC applications

1. Thermal conduction and insulation
2. Cryocoolers and cryostat
3. Cooling systems
4. Electrical insulation

Conference Venue:

New Electrical Building, Huazhong University of Science and Technology, 1037 Luoyu Rd, Wuhan, Hubei, China.

Submission of Papers:

Authors should download the "Author Kit" from the conference website of www.asemd2018.org, which includes IEEE MS Word Templates for the paper format. A two-page digest should be submitted to ASEMD2018@hust.edu.cn by **Nov. 15, 2017**. Acceptance notice will be sent to authors by Jan. 15, 2018. After receiving the acceptance notice, authors should carefully follow the instructions and template to prepare the final paper, and upload it using IEEE PDF Express with the signed IEEE copyright form and also the IEEE PDF compliance check confirmation email by Feb. 10, 2018.

Important Dates

Submission of 2-page digest : Nov. 15, 2017.

Notification of Acceptance : Jan. 15, 2018.

Final Submission of 2-page paper and Paper Registration : Feb. 10, 2018.

Early Bird Registration : Mar. 10, 2018.

Submission of 4-page extended paper for transaction : May. 10, 2018.