

2023 International Conference on Equipment Intelligent Operation and Maintenance

September 21-23, 2023 | Hefei, China

Call for Papers

Intelligent operation and maintenance is the premise for safe and reliable operation of equipment, and also an important guarantee for improving life cycle of products. With the rapid development of intelligent manufacturing and equipment informatization, there is an increasing and urgent need for basic theoretical breakthroughs and advanced technological innovation on equipment operation and maintenance (EOM). Intelligent operation and maintenance is an emerging technology that covers equipment condition monitoring, fault diagnosis and remaining useful life prediction. It integrates big data and machine learning to make the equipment operation process highly automated and intelligent, and plays a vital role in the equipment operation process. In the long term to come, intelligent operation and maintenance will be the driving force to the new generation of intelligent manufacturing and equipment upgrading in China, and promote the demand for intelligent product services and management. In view of this, the Equipment Intelligent Operation and Maintenance Branch of the Chinese Society of Mechanical Engineering will host the first edition of the International Conference on Equipment Intelligent Operation and Maintenance (ICEIOM2023), and invite experts and scholars in this field to discuss and exchange ideas on the current development of equipment intelligent operation and maintenance in Hefei in September 2023. ICEIOM2023 will include keynote speeches by eminent scholars as well as special, regular and poster sessions. All papers will be peer reviewed on the basis of a full length manuscript and acceptance will be based on quality, originality and relevance. Topics of interest will include, but are not limited to, the following:

- Equipment Operation and Maintenance Technology and Method
- Foundational Theories and Development Trend for EOM
- Signal and Image Processing for EOM
- System Monitoring, Fault Diagnosis and Prediction
- Sensors Technology and Internet of Things Technology for EOM
- Artificial Intelligence for EOM

Important Dates:

15th May 2023 - Manuscript Submission

15th June 2023 - Acceptance Notification

10th July 2023 - Camera Ready Submission

10th July 2023 – Early Bird Registration

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Authors are invited to submit full manuscript(s) (5 to 6 pages including references) for oral or poster presentation. Template in MS Word and pdf will be available at the conference website. Final manuscripts are limited to six (6) A4 size pages.

When submitting a paper, the author(s) agree that, upon acceptance, they will prepare the final manuscript in time for inclusion in the conference proceedings and present the paper at the conference. The final manuscript will not be published without presentation and full author registration. Accepted papers will be submitted for inclusion into IEEE Xplore. Authors of high quality papers will be invited to submit an extended version to special issues of SCI-indexed Journals.

Website: <http://iceiom2023.org.cn>

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