



2
IMTC 2027
Smart Instrumentation for a
Connected World
May 17–20, 2027
Chongqing, China



I2MTC.IEEE-IMS.ORG/2027

INSTRUMENTATION AND MEASUREMENT EMPOWERING INDUSTRIAL DIGITAL TRANSFORMATION

CALL FOR PAPERS

ORGANIZERS

CONFERENCE CO-CHAIRS

DR. GUIYUN TIAN

Chongqing University of Technology, China

DR. ZHENG YOU

Huazhong University of Science and
Technology, China

DR. XIAOKANG LIU

Chongqing University of Technology, China

TECHNICAL PROGRAM CO-CHAIRS:

DR. RUQIANG YAN

Xi'an Jiaotong University, China

DR. LUCA DE VITO

University of Sannio, Italy

DR. MELANIE OOI

University of Waikato, New Zealand

LOCAL ARRANGEMENTS CO-CHAIRS

PROF. YAN PENG (Chair)

Chongqing University of Technology, China

PROF. YANG CAO (Co-Chair)

Chongqing University of Technology, China

PROF. SHENGKAI WU (Co-Chair)

Chongqing University of Technology, China

IMPORTANT DATES

SEP 18, 2026

Special Session Proposal Deadline

DEC 4, 2026

Full Paper Submission Deadline

JAN 22, 2027

1st Round Notification

FEB 12, 2027

Revised Paper Submission Deadline

FEB 26, 2027

Final Acceptance Notification Deadline

MAR 19, 2027

Early Registration Deadline +
Final Manuscript Deadline



The IEEE I2MTC – International Instrumentation and Measurement Technology Conference – is the flagship conference of the IEEE Instrumentation and Measurement Society (IMS) and is dedicated to advancing measurement methodologies, measurement systems, instrumentation and sensor technologies in all areas of science and technology. These features make I2MTC a unique event and one of the most important gathering of engineers and scientists in the fields of instrumentation and measurement.

TOPICS FOR IEEE I²MTC 2027 INCLUDE

- » Instrumentation and Measurement in Medical, Biomedical and Healthcare Systems
- » Micro- and Nanotechnology for Instrumentation and Measurement
- » Measurement Theory and Metrology
- » Data Acquisition Systems
- » Real-time Measurement Systems
- » Optical and Fiber Optic Instrumentation and Measurement
- » Image Processing and Vision Based Measurement
- » Signal Processing for Instrumentation and Measurement
- » Digitalization, Machine Learning (ML) and Big Data for Instrumentation and Measurement
- » Sensors and Transducers
- » Artificial Intelligence (AI) in Instrumentation and Measurement
- » Instrumentation and Measurement Systems and techniques for:
 - Robotics
 - Industry 4.0
 - Advanced and Additive Manufacturing
 - Energy and Power Industry
 - Environmental Monitoring
 - Agriculture, Food Production and Food Safety
 - Automotive and Transportation Industry
 - Aerospace and Space Systems
 - Communications and IoT
 - Non-Destructive Testing and Evaluation
 - Physical and Electromagnetic Quantities
 - Chemical and Biological Quantities
 - Renewable Energy Systems
 - Oil and Gas Industry

In addition to regular papers, many initiatives and opportunities such as special sessions, industry sessions, exhibits, tutorials, technology demonstrations, student contests, and other activities are planned to enhance attendees experience with the conference, which will make I2MTC 2027 an exciting and vibrant event for all involved in Instrumentation and Measurement fields. Papers that are accepted and presented will be submitted for inclusion in the IEEE Xplore® digital library.

Visit the conference website as well as Facebook and LinkedIn pages for each specific call and additional news.

[LINKEDIN.COM/GROUPS/8613593](https://www.linkedin.com/groups/8613593)

[FACEBOOK.COM/I2MTC](https://www.facebook.com/i2mtc)

[TWITTER.COM/I2MTC](https://twitter.com/i2mtc)