



## MAIQS 2025

### International Conference on Measurement, AI, Quality and Sustainability

– Innovating for Smart and Sustainable Industries and Societies

26–28 August 2025, London, UK

[www.maiqs2025.org](http://www.maiqs2025.org)

## CALL FOR PAPERS

The International Conference on Measurement, AI, Quality and Sustainability (MAIQS) is a premier conference series dedicated to advancing science and technology in these interconnected fields, addressing important industrial and societal challenges of the 21<sup>st</sup> century. MAIQS 2025 conference will bring together leading scholars, researchers and industry experts from around the world to discuss and share their latest insights and innovations in the field of measurement, AI, quality and sustainability. Working together, we endeavour to drive smarter and more sustainable solutions for industries and societies worldwide, contributing to a better future for all.

Prospective authors are invited to submit a full paper (4-6 A4 pages) to the conference. The conference proceedings will be published by EDP Sciences in *MATEC Web of Conferences*. Selected papers will also have the opportunity to be extended and submitted to a relevant EI/SCI indexed journal.

### TOPICS FOR MAIQS 2025 INCLUDE

#### Measurement:

- Calibration, Standards and Traceability
- Measurement Theory, Errors and Uncertainty
- Advanced Sensors and Instrumentation
- Signal Processing, Data Analytics and AI for Measurement
- Metrology for Industry 4.0, IoT and Digital Twins
- Digital Transformation of Measurement Systems

#### Artificial Intelligence:

- Machine Learning and Deep Learning
- Embodied AI, Robotics and Autonomous Systems, Collaborative Robots, Mobile Robots, Humanoid Robots
- Natural Language Processing (NLP) and Large Language Models (LLMs)
- Explainable and Ethical AI, and AI Standardisation
- AI for Smart, Quality and Sustainable Systems
- Advanced Machine Intelligence (AMI), Artificial General Intelligence (AGI), and Future AI Directions

#### Quality:

- Inclusive Design, QFD, Robust Design, TRIZ and Innovations
- Statistical Process Control, Six Sigma and Lean Six Sigma
- Inspection, Testing, Product Verifications and Conformity
- Safety, Reliability and Risk Management
- NDT/NDE, Maintenance and Asset Management
- Quality Management Systems, TQM, Operational Excellence, Social Responsibility and Quality 4.0

#### Sustainability:

- Sustainable Technologies and Innovations for Industries
- Energy-Efficient Systems and Processes
- Life Cycle Assessment (LCA) and Sustainable Supply Chains
- Circular Economy and Resource Management
- Net Zero Pathways and Environmental, Social and Governance (ESG) Implementations
- Tipping Points, Climate Change and Sustainability

#### Cross-disciplinary:

- HCI, Human-AI Collaboration in Smart Systems, AR/VR/MR, Digital Human and Spatial Intelligence
- Multimodal Information System and Multimodal AI
- Industrial Networks and Future Communication Technologies
- Additive Manufacturing, Digital Manufacturing and Industry 4.0
- MAIQS in Engineering, Aerospace and Supply Chains
- MAIQS in Health, Food, Agriculture, Education and Government Institutions
- MAIQS in Transportations, Built Environment and Smart Cities
- MAIQS in Energy, Oil and Gas Industry, Natural and Extreme Environments

### IMPORTANT DATES

- **15th April 2025:** Full Paper (4-6 A4 pages) Submission
- **30th May 2025:** Paper Acceptance Notification
- **15th June 2025:** Final Paper Submission
- **15th July 2025:** Early Bird Registration
- **18th August 2025:** Final Registration



Please visit the conference website for more information.

<https://maiqs2025.org>

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**Brunel**  
University  
of London

**NPL**  
National Physical Laboratory



清华大学质量与可靠性研究院  
Institute for Quality and Reliability, Tsinghua University

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