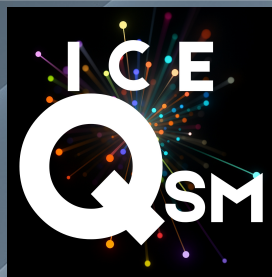


International
Conference and
Exposium on Quantum
Sensing and Metrology



10th to 13th September 2025
KOLKATA

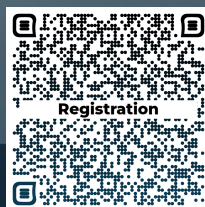


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Key topics

- Novel phenomena for quantum sensing
- Sensors and devices for quantum metrology
- Atom-based quantum-enhanced sensors
- Cold atom interferometers
- Atomic clocks
- Magnetometers
- Rydberg sensors
- Light-based sensors
- Quantum-enhanced imaging systems
- Quantum lidar
- Quantum radar
- Superconducting sensors
- Solid-state quantum sensors
- NV centers in diamond
- Quantum dots
- Single photon emitters
- Quantum sensor-based microscopy and spectroscopy
- Theoretical quantum estimation, sensing, and metrology

Abstract Submission Deadline : 15th July 2025
Early-Bird Registration Deadline: 15th August 2025



The United Nations' declaration of 2025 as the International Year of Quantum Science and Technology presents a unique opportunity for collaboration between industry and academia. This global initiative, the International Year of Quantum (IYQ), celebrates the transformative impact of quantum science in advancing technology and expanding our understanding of the universe. As a leading center for quantum research, CQuERE at TCG CREST Kolkata is hosting the International Conference and Exposium on Quantum Sensing and Metrology (ICEQSM), an event specifically designed to connect theoretical advancements with real-world applications.

What to expect?

- Invited talks
- Poster presentation
- Panel discussion
- Contributory talk
- Plenary lecture
- Industry participation
- Brainstorming session
- Networking Opportunities
- Exhibition Stalls
- Technology Showcases
- Special Issue

Publish with us

ICEQSM 2025 offers a unique chance to publish your research in a special issue of Advanced Quantum Technologies, WILEY. Showcase your work to a global audience and contribute to advancing the field of quantum sensing and metrology.

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Contact us

For any queries, assistance, or additional information regarding ICEQSM 2025, please feel free to reach out. We're here to help ensure your experience with the conference is smooth and enriching and are waiting for you at:

[iceqsm2025\[@\]tcgcrest.org](mailto:iceqsm2025[@]tcgcrest.org)

General Inquiries & Support:

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Centre for Quantum Engineering, Research and Education (**CQuERE**), TCG Centres for Research and Education in Science and Technology (**TCG CREST**)
1st Floor, Tower 1, Bengal Eco Intelligent Park
Block EM, Plot No. 3, Sector V, Salt Lake
Kolkata – 700091, West Bengal, India

Explore other IYQ celebration activities hosted by CQuERE, TCG CREST by visiting the official IYQ main website of CQuERE, TCG CREST.