

# International Conference and Exposium on Quantum Sensing and Metrology ICEQSM 2025

**Dates : June 11–13, 2025**

The **International Conference and Exposium on Quantum Sensing and Metrology (ICEQSM)**, is a prestigious event organized by **CQuERE, TCG CREST, Kolkata**, as part of the **International Year of Quantum Science and Technology (IYQ) 2025** celebrations. As one of the three thematic conferences under IYQ celebrations, this conference will bring together **leading researchers, industry experts, and innovators** to discuss the latest advancements and challenges in **Quantum Sensing and Metrology**.

## 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

## PATRON:

**TCG CREST**  
Chairman/Director

## CHAIR:

**Bhanu Pratap Das**

## ADVISORY COMMITTEE:

- Venu Gopal Achanta
- Reena Dayal
- Satya Ram Mishra
- Tapobrata Som
- Dmitry Budker
- Amitava Sen Gupta
- Ian Petersen
- Shailendra Kumar Varshney

## CONVENORS:

- Aishik Acharya
- Shibdas Roy
- Tanmoy Basu

## REGISTRATION FEES

### For National Participants

- Students : INR 3000
- Post-Docs : INR 5000
- Faculties : INR 7000
- Industry : INR 10000

### For International Participants

- Students : USD 200
- Post-Docs : USD 300
- Faculties : USD 400



[Submit Abstract here!](#)



[Register here!](#)

ABSTRACT SUBMISSION BY:  
**15<sup>th</sup> May 2025**

ABSTRACT NOTIFICATION BY:  
**23<sup>rd</sup> May 2025**

REGISTRATION DEADLINE:  
**30<sup>th</sup> May 2025**

## SPEAKERS:

- Ron Folman
- Guofeng Zhang
- Ian Petersen
- Dmitry Budker
- Arka Majumdar
- Subhadeep De
- Arijit Sharma
- Phani Kumar
- Bijoy Krishna Das
- Saikat Ghosh
- Ashok Mahapatra
- Bikash Ghosal
- Ashok Vudayagiri
- Kaushalya Jhuria
- Paul Griffin
- Sourav Dutta
- Manas Mukherjee
- Luiz Davidovich
- Dominik Bucher
- Animesh Datta
- Kasturi Saha
- Poonam Arora
- Umakant Rapol
- G. Rajalakshmi
- Santu Sardar
- Nirmalya Ghosh
- Satya Kesh Dubey
- Goutam Pramanik
- Akshay Singh
- Praveen Bhallamudi
- Joyee Ghosh
- Ajay Tripathi

## CO-HOSTS:

*Sensors Research Society, Metrology Society of India, Indian Radio Science Society*

## LOCAL ORGANIZING COMMITTEE:

- Amlan Chakrabarti
- Amit Banerjee
- Sourav Chatterjee
- Nabanita Deb
- Prasanta Karmakar
- Shrabana Chakrabarti
- Sankar De
- Md. Mabud Hossain
- Chiranjib Mitra
- Abhishek Bhardwaj
- Kaustav Ghosh
- Anju
- Anupam Patra
- Nawaz Sarif Mallick
- Prasenjit Deb
- Sujan Maity
- Midhun Murali
- Harish Rathore
- Anumita Mukhopadhyay

## CO-SPONSORS

*To be announced soon*

## ORGANIZED BY:

Centre for Quantum Engineering, Research and Education  
(CQuERE), TCG CREST, Kolkata, INDIA

For more details, please visit: <https://sites.google.com/view/iceqsm-2025/home>  
For any queries, feel free to contact us: [iceqsm2025@tcgcrest.org](mailto:iceqsm2025@tcgcrest.org)