

International Conference on Quantum Materials (ICQM-2025)

(Celebrating 100 years of Quantum Mechanics)

5-6 December, 2025



ORGANIZED BY

DEPARTMENT OF PHYSICS

Sardar Vallabhbhai
National Institute of Technology (SVNIT)
Surat, Gujarat, India

ABOUT THE CONFERENCE

The year 2025 marks a century since the birth of quantum mechanics, one of the most profound revolutions in science. ICQM-2025 honors this milestone by exploring how quantum principles have shaped and continue to redefine the materials of the future. From superconductors and topological insulators to quantum spin systems and correlated electron phases, quantum materials exemplify the power of quantum theory in unlocking novel states of matter. As we celebrate 100 years of breakthroughs, from Heisenberg's uncertainty to Schrödinger's wave mechanics, we invite researchers, technologists and students to engage with the cutting-edge discoveries at the intersection of physics, chemistry and engineering. The conference will feature leading voices reflecting on the past century of quantum thought while charting a vision for quantum-enabled technologies in the next 100 years. Join us in honoring the legacy and future of quantum mechanics through the lens of quantum materials.

PUBLICATIONS

Selected full-length papers only after peer review will be published in SCI/Scopus indexed journals or in book/conference proceedings with an ISBN/ISSN.

Abstract Submission Link

<https://forms.gle/d8T5DnbUojAd77oT7>

VENUE

Sardar Vallabhbhai National Institute of Technology
Surat 395007, Gujarat, India

IMPORTANT TOPICS

The conference will cover (but not limited to) the following topics:

- 2D Quantum Materials
- Quantum Materials for Quantum Computing
- Quantum Machine Learning
- Topological Materials
- Superconductivity
- Computational Materials Science
- Energy Materials
- Nanomaterials
- Semiconductor Device Processing
- Strongly Correlated Electron Systems
- Quantum Spin Liquids and Magnetism
- Quantum Transport and Localization
- Quantum Phase Transitions
- Spintronics and Valleytronics
- Multiferroics and Magnetoelectrics
- Advanced Materials Synthesis Techniques
- Quantum Materials Characterization
- Strong Spin-Orbit Coupled Systems
- Theoretical Physics
- Applied Physics and Related Areas

Email: icqm2025@gmail.com

ICQM-2025 website:

<https://sites.google.com/view/icqm2025/home>

December 5-6, 2025

REGISTRATION FEES[#]

Category	Early Bird (by October 31, 2025)	Standard (after October 31, 2025)
PG / PhD Students	₹ 3540	₹ 4130
Academicians	₹ 4720	₹ 5310
Industry Personnel	₹ 9440	₹ 10620
Foreigners (All categories)	USD 100	USD 150
Attendees	₹ 2360	₹ 2950

Including GST. The registration fee includes Conference Kit, Breakfast, High Tea and Working Lunch during December 05-06, 2025.

The registration fee is non-refundable and should be paid through online mode to the following account or by scanning the QR code:

Account Name: Director, SVNIT-CCE
Bank Name: SBI (SVRCET Branch)
Account Number: 37030749143 IFSC
Code: SBIN0003320
MICR Code: 395002012



IMPORTANT DATES

Beginning of Abstract Submission: 01-07-2024
Last Date of Abstract Submission: 31-10-2025
Notification of Acceptance by: 10-11-2025
Submission of Full-length Paper: 15-12-2025
(Journal/Proceedings details will be updated soon)

ACCOMODATION

Sharing accommodation on a "Payment basis" will be provided in the SVNIT Guest House as per the availability of rooms.

Contact Details for Room Charges & Booking:

Email: svnitguesthouse@gmail.com

WhatsApp No.: 7008110963 (Mr. Sahoo)

ABOUT THE DEPARTMENT

The Department of Physics of SVNIT is one of the leading departments in terms of research and academics. The department supports all undergraduate and postgraduate students by providing them with a firm foundation in physical sciences through state-of-the-art teaching by offering them basic and advanced courses on physics. The Department has made its mark at the national and international level with several externally funded research projects, national and international level awards, and research collaborations across the country and globe. The Department is catering to the country's needs by creating a scientist pool by conducting innovative five years integrated M.Sc. programs and Ph.D. programs, and also frontline engineers by introducing four years B.Tech. in Engineering Physics program from 2024-25.



CONTACT US

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DEPARTMENT OF PHYSICS

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AWARDS

- Prof. P. B. Thakor Best Thesis Award
- Industry Sponsored Best Oral Awards
- Organizers Sponsored Best Oral Awards
- Organizers Sponsored Best Poster Awards

ORGANIZING COMMITTEE

PATRON

Prof. Anupam Shukla, Director, SVNIT, Surat

CONVENERS

Prof. Debesh R. Roy, Dept. of Physics, SVNIT
Dr. Yogesh A. Sonvane, Dept. of Physics, SVNIT

ORGANIZING SECRETARIES

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Dr. Mithun Karmakar, Dept. of Physics, SVNIT
Dr. Vikash K. Ojha, Dept. of Physics, SVNIT
Dr. Dipika Patel, Dept. of Physics, SVNIT

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