



Online

CTTC

DAE Symposium on Current Trends in Theoretical Chemistry (CTTC-2020)

September 23-25, 2021

Bhabha Atomic Research Centre, Mumbai – 400085, INDIA

Online Platform, Webex



The DAE Symposium on Current Trends in Theoretical Chemistry (CTTC-2020) is being organized by Chemistry Division, Bhabha Atomic Research Centre from 23 to 25 September, 2021. Formulation of newer and more powerful theoretical tools, cutting edge modelling strategies and robust simulation techniques form an ongoing and integral part of research activities in theoretical chemistry. In view of the nature and wide applicability of this subject, one of the major national needs is to bring various Indian researchers in a single platform to discuss current progress, challenges and pitfalls. The objective of CTTC-2020 is to provide a fertile ground for intense discussion on the thriving newer areas in theoretical chemistry and thereby setting up the course for future directions and shedding light into potentially more powerful applications of theoretical chemistry in interdisciplinary areas. The proceeding of the symposium will constitute keynote addresses, invited talks and presentation of contributory papers as posters.

Topics to be covered

- Recent Advances in the Theoretical Formalisms and Simulation Methodologies
- Machine Learning and Artificial Intelligence in Chemistry
- Modeling, Theory, and Simulation in Nuclear Waste Management Research
- Computational Chemistry Related to New Generation Nuclear Fuels
- Theoretical and Computational Chemistry in Understanding Radiation Damages in Nuclear Materials
- Theoretical Design of Molecules and Materials Pertaining to Energy Research
- Modeling, Theory, and Simulation in Soft Condensed Matter
- Electronic Structure and Spectroscopy of Atoms, Molecules, Clusters, Nanomaterials, and Solids
- Computational Chemistry of Molecules and Materials under Extreme Condition
- Theoretical Chemistry for New Drug Design and Delivery
- Experiment Driven Theoretical Investigations
- Modeling, Theory and Simulation in Exploring Infectious Diseases

Organized by

Chemistry Division
Bhabha Atomic Research Centre
Mumbai – 400085, INDIA

In Association with

Society for Materials Chemistry
Chemistry Division
Bhabha Atomic Research Centre
Mumbai – 400085, INDIA

Key Dates

Closing of Online Registration	31 Aug 2021
Closing of Online Abstract Submission in Prescribed Format (Contributory Posters)	07 Sept 2021
Closing of Abstract Submission (Invited Talks)	07 Sept 2021

For further details, please contact

Convener, CTTC-2020

Theoretical Chemistry Section, Chemistry Division
Bhabha Atomic Research Centre, Trombay, Mumbai
400085, INDIA

Fax: 91-22-2550 5331/5150/5151 Tel: 91-22-2559 5015

Email: cttcmumbai@gmail.com

No Registration Fees for Participants



Statue of Birth of Garuda at Offline Venue, Mumbai



Elephanta Cave Rock Carving, Mumbai

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All the participants of CTTC - 2020 are requested to register by filling up the registration form online at the symposium website (<http://www.cttcmbai.org>) and visit the website for abstract template/submission as well as regular updates about the symposium.

Virtual Poster Presentation on Symposium Website