



Conference on Plasma Simulation (CPS)

January 23-24, 2020

Institute for Plasma Research (IPR), Gandhinagar, Gujarat,
India - 382428



Objectives of CPS-2020

The aim of this Conference is to provide an intellectual platform to academicians, scientists, engineers and participants from industries, for exchanging ideas, knowledge and latest information in the field of plasma simulation through a set of talks and posters by experts in the field. The faculties and research scholars from Plasma community and people from industries will interact with each other on this platform which will create opportunities to work together for advancement of science and technology for human resource development as well as development of the skills.

About the Institute

Institute for Plasma Research is an autonomous R&D organization under the authority of Department of Atomic Energy (DAE), Govt. of India situated near west banks of river Sabarmati in Gujarat, India. This institute largely involved in theoretical and experimental studies in plasma science including basic plasma physics, magnetically confined hot plasmas and plasma technologies for industrial applications. The institute owns two operational tokamaks - ADITYA-U and SST-1. IPR is also part of international fusion program *i.e.* ITER.



Topics of the Conference

The major themes of the conference include but are not limited to:

- Plasma Surface Interaction.
- Magnetic and Inertial Fusion.
- Space and Astrophysical Plasmas.
- Modeling and Simulation.
- MHD, other Fluid methods of Plasmas.
- Microdischarges: DC, RF, Microwave
- Industrial Applications of Plasma.
- Laser Plasma Interaction.
- Plasma Propulsion and Aerodynamics.

National Advisory Committee

Dr. Shashank Chaturvedi, IPR
Prof. Abhijit Sen, IPR
Prof. Arnab Roy Chaudhary, IISc, Bangalore.
Prof. Mahendra Verma, IIT, Kanpur.
Prof. Rahul Pandit, IISc.
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Prof. M. S. Janaki, SINP
Prof. Hari Ramachandaran, IITM
Prof. Shishir Deshpande, IPR
Prof. Ramachandaran, Bhartiya University

Boarding and Lodging

Free accommodation will be provided to registered participants on prior request to the convener on or before December 01, 2019. TA will be paid to students only.

Important Dates:

Last date for submission of abstract: Nov 15, 2019
Notification of acceptance: Nov. 22, 2019
Registration starts on: Jan. 22, 2020
Scheduled date for conference: Jan. 23-24, 2020

Patron

Dr. Shashank Chatruvedi (Director, IPR)

Convener

Dr. Sarveshwar Sharma

Scientific Programme Committee

Prof. S.P. Deshpande Prof. R. Ganesh Prof. Sudip Sengupta
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Local Organizing Committee

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