

REGISTRATION FORM FOR

(PMSMP-2020)

MARCH 23-24, 2020

(Please email to the Organising Secretary, with following details, on or before March 15, 2020)

Name :

Designation :

Organisation :

Field of Specialisation:

Address :

Mobile/Phone:

e-mail :

Signature

To

Dr. Suraj Kumar Sinha

Organizing Secretary

Department of Physics

Pondicherry University, Puducherry - 605 014

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**SEMINAR
ON
PLASMA MODELING AND SIMULATION
FOR
MATERIAL PROCESSING
(PMSMP-2020)
MARCH 23-24, 2020**



**DEPARTMENT OF PHYSICS
PONDICHERRY UNIVERSITY
PUDUCHERRY – 605 014**

**SUPPORTED
BY
UNIVERSITY GRANTS COMMISSION**



**ज्ञान-विज्ञान विमुक्तये
UNDER
UGC-SAP DRS II**

ABOUT (PMSMP-2020)

The aim of the seminar on plasma modeling and simulation for material processing (PMSMP-2020) to be held during MARCH 23-24, 2020 is to bring together high-level experts and young scholars to discuss the issues of modeling and computer simulation for the plasma assisted material processing techniques to enrich the understanding of fundamental governing mechanism and enrich the scientific value of experimental results. Further, modeling and simulation of plasmas for material processing may reduce the optimization cost significantly and assist significantly in fabrication of next generation materials.

Seminar on plasma modeling and simulation for material processing (PMSMP-2020) is focused on plasma modeling and simulation for emerging technologies for energy conversion ranging from Controlled Fusion, Solar Energy, Nuclear Energy, Hydrogen Fuel Cell, to Ionic Batteries, and for material fabrication for energy devices based on plasma technologies. Special emphasis will be given to the most fundamental aspects of plasma modeling and computer simulation.

Tentative List of Speakers

Prof. Avinash Kahre, Sikkim University, Gangtok.

Dr. Sharad Yadav, IISc, Bangalore.

Dr. Reetesh Kumar Gangwar, IIT, Tirupati.

Dr. Rajneesh Yadav, BHU, Banaras.

Dr. Punit Kumar, Lucknow University, Lucknow

Dr. Sateesh Natrajan, CSIR-AMPRI, Bhopal.

Dr. D.N. Gupta, Delhi, University, Delhi

Dr. Archana Lakhani, UGC-IUC-Indore, Indore

Dr. K. Ramachandran, Bharathiar University, Coimbatore

Dr. Ramprakash, IIT Jodhpur, Jodhpur

ABOUT THE DEPARTMENT

The Department of Physics came into existence in June 1987. The department offers two year M.Sc programme, five year integrated M.Sc programme (with specialization in Lasers. Condensed Matter Physics and Electronics), M.Phil and Ph.D programmes. Faculty members of the department carry out research in frontier areas of Physics. The department has been recognized for special funding by DST-FIST and UGC – SAP. The faculty members are involved actively in research areas viz. material science: magnetic, dielectric, electronic, photonic and nano-materials; solid state ionics, spectroscopy and transport studies; non-linear dynamics, fiber optics, non-linear optics and semiconductor lasers; computational physics, biophysics, statistical mechanics, plasma physics, atomic physics, quantum field theory, multiferroics, spintronics, ion-beam and acoustic physics and astrophysics.

HOW TO REACH PUDUCHERRY

The coastal town of Puducherry with a French ambience is known for its serene atmosphere. Legend associates ancient Puducherry with great Hindu sage Agastya. Sri Aurobindo Ashram and the nearby Auroville International Township lend a unique spiritual flavour to the city. The city nurtured two great Tamil revolutionary poets, Sri Subramani Bharathi and Sri Bharatidasan. The climate is tropical (between 18° C and 38° C) with two monsoons, having fairly heavy rainfall in November and very moderate rainfall in July. Puducherry is connected by air via Bangalore and Hyderabad. Puducherry is 160 km south of Chennai and is well connected by bus through East Coast Road (ECR). The frequency of bus

service from Chennai to Puducherry is high (every 20 min.) and hence the preferred mode of transport. Rail connections are available via Villipuram (Chennai – Villipuram – Puducherry).

REGISTRATION

The interested faculty members and research scholars are requested to complete the enclosed registration form and send it to the organizers on or before 15.03.2020 through email and by post.

Registration fee

Research Scholars : Rs. 50/-

Faculty members : Rs. 100/-

The selected participants will be intimated through email on 16.03.2020. The selected participants are advised to make self arrangements for their accommodation. No Travelling allowance and dearness allowance will be paid for participants. Working lunch to the registered participants will be provided.

Tentative Schedule:

SCHEDULE (HRS)	DAY-1 (23-03-2020) MONDAY	DAY-2 (24-03-2020) TUESDAY
09:30-10:30	Inauguration	Plenary talk (2)
10:30-11:30	Plenary talk (1)	Invited talk (6)
11:30-12:30	Invited talk (1)	Invited talk (7)
12:30-14:00	Lunch Break	Lunch Break
14:00-15:00	Invited talk (2)	Invited talk (8)
15:00-16:00	Invited talk (3)	Invited talk (9)
16:00-17:00	Invited talk (4)	Poster presentation
17:00-18:00	Invited talk (5)	Valedictory Function