

Abstract Submission

Scientists/ researchers/ students desirous of participating in this symposium are requested to submit their abstracts via the online abstract submission portal on or before **15th September, 2014**

<http://indico.ipr.res.in/indico/event/plasma2014>

Please indicate your subject category abbreviation while submitting the abstract. Kindly follow the following sequence Topic - Category-(Theory/Experimental) - Preferred presentation mode (oral/poster).

For example, BP-E-O for Basic Plasma Physics (Experimental) Oral Presentation and BP-T-P for Basic Plasma Physics (Theory) Poster presentation.

Please note that abstracts will ONLY be accepted via the above portal.

It is also planned that selected presentations from the conference will be asked to submit a full paper which after peer review, published in a special issue of an appropriate peer reviewed journal.

About Mahatma Gandhi University

Instituted in 1983, The Mahatma Gandhi University (Earlier known as the Gandhiji University) was established as a center for higher education in the central Kerala. The motto of the University being “*विद्यया अमृतमश्नुते*” meaning “knowledge makes one immortal”. Over the years the University established its current campus at Priyadarshini Hills about 10 kilometers from the town of Kottayam in central Kerala. Also, many under/post graduate colleges in Kottayam and adjoining districts are affiliated to this University. Currently the University has over 17 Schools/ Departments catering to the entire spectrum of higher education and 13 Centers of speciality studies. The University also has affiliated colleges for professional courses.

International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), the Centre of excellence in Nanoscience & Nanotechnology at Mahatma Gandhi University was established in the year 2009 with a strong vision to carry out and coordinate academic and research activities in the frontier areas of Nanoscience and Nanotechnology. This center is funded by both national and international agencies and has many sophisticated state-of-the-art facilities for pursuing frontier research in the field of Nanoscience and Nanotechnology (<http://www.iiucnn.in>)

About The Symposium

The 29th National Symposium on Plasma Science & Technology (PLASMA-2014) and the International Conference on Plasma & Nanotechnology is being organized by The Mahatma Gandhi University, Kottayam, Kerala, India, in association with the Plasma Science Society of India (PSSI) during December 8-11, 2014.

Like in the previous years, the symposium is designed to provide a forum for young researchers in the area of Plasma Science & Technology to interact with eminent plasma scientists from India and to present their work. The scope of the symposium includes frontline research in basic plasma physics as well as significant advances in plasma technology. The scientific program of this four-day symposium will consist of invited topical lectures and contributed oral and poster presentations in the following areas of Plasma Science & Technology.

Focal Theme Of The Symposium

The focal theme of Plasma-2014 will be “**Plasma & Nanotechnology**”

Technical Programme

The technical program will comprise of invited talks, contributed oral and poster presentations in the following areas ;

- Basic Plasma Physics (BP)
- Nuclear Fusion & Technology (NF)
- Plasma Diagnostics (PD)
- Space & Astrophysical Plasma (SA)
- Exotic Plasma : Dusty, Quark Gluon plasma etc. (EP)
- Laser-Plasma interaction (LP)
- Plasma Processing and Industrial Applications (PP)
- Simulation and modelling for Plasma (CM)
- Other Areas (including nano-technology)

A one day pre-conference workshop on Plasma and Nanotechnology is planned on 7th December 2014. Young researchers and post-graduate students can apply for this workshop number of participants will be restricted to 50. Eminent speakers will deliver talks on basic plasma science and applications of plasma in different fields of nanotechnology.

PSSI

Since its establishment in 1978, PSSI has been in the forefront in providing a forum for the academicians, scientists and technologists working in the area of Plasma Science & Technology.

Currently having a base of about 1200 members from India and abroad, this community is growing at a very fast pace. PSSI also supports activities in the form of fellowships, awards and recognitions in the area of plasma science & technology in India.

FIRST ANNOUNCEMENT AND CALL FOR ABSTRACTS

29th National Symposium On Plasma Science & Technology PLASMA-2014

&

International Conference on Plasma & Nanotechnology



December 8-11, 2014

Organized by

**International & Inter University Centre for
Nanoscience and Nanotechnology,
School of Pure & Applied Physics
Mahatma Gandhi University
Kottayam, Kerala, India**



In Association With

Plasma Science Society Of India



www.ipr.res.in/plasma2014

PSSI Awards

PSSI in conjunction with external sponsors, has instituted many awards for outstanding research works in the area of Plasma Science & Technology. These awards will be presented during conference. The awards carry cash prize as well as a certificate.

- The Buti Young Scientist Award (2)
- Z. H. Sholapurwala Awards For Fusion Research (4)
- PSSI Awards for poster and oral presentations (4)

Please see the conference website for details regarding these awards. More number of awards will be given depending on the contributions from sponsors.

Registration

All delegates and participants including chairpersons and invited speakers are required to register for the symposium. The registration fee for the symposium is as follows:

- PSSI Member : Rs. 2000/-
- Non-Members : Rs. 2500/-
- Industry Participants : Rs.5000/-
- Students / Research Scholars: Rs. 1000/-
- Accompanying person : Rs.1000/-
- Pre-Conference workshop : Rs.1000/-

Details of payment modes are available on the conference website. Only on-line registration is accepted and it can be done through the conference website.

Limited travel assistance would be provided to PSSI life members. Please refer to website for details.

Registration is also mandatory for pre-conference workshop

Important Deadlines

On-line registration	30 OCT 2014
Submission of Abstracts	15 SEPT 2014
Intimation of acceptance	30 SEPT 2014
Accommodation booking	30 OCT 2014

Conference Exhibition

It is planned to organize an exhibition for industries wishing to display their products & wares during the symposium. Details of the exhibition can be obtained from the Local Organizing Committee and also from the conference website.

National Advisory Committee

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www.ipr.res.in/plasma2014

Kottayam, the Heart of Kerala

Acclaimed as the land of Letters, Latex and Lakes, Kottayam has the distinction of being the first-ever fully literate municipal town in India. This land also boasts of the first English educational center in South India as well as the first Malayalam printing press which was established by Benjamin Bailey, a British missionary, in 1820 AD. Today, it is the forerunner in publishing with about 80 per cent of the books published in the State coming from the district. The nerve centre of Kerala's newspaper industry, a total of five dailies is published from here.

Panoramic backwater stretches, lush paddy fields, highlands and extensive rubber plantations characterize this picturesque land. The majestic Vembanad Lake and the stunning backwaters of *Kumarakom* are its prime attractions. The hill stations like *Vagamon* and *Munnar* are close to Kottayam and can be accessed by road. The wild life sanctuary at *Thekkady* and *Ghavi* are also near to Kottayam.

Getting to Kottayam

Rail Link

Nearest broad gauge rail head is Kottayam (KTYM). The university campus is around 10 kms from the railway station. Participants may also reach Ernakulam (Cochin) by train and then on to Kottayam by train or road (~ 71 kms)

Air Link

Nearest airport is the Cochin International Airport (~ 82 Kms). Pre-paid taxi and bus services are available to Cochin and Kottayam from the airport.

Please look up the website for updates on travel information.

Weather in Kottayam

In December, the temperatures in Kottayam usually ranges from a maximum of low to mid 30's to a minimum of low to mid 20 °C and would be pleasant. One can expect thunder-showers in the latter part of the day.

Accommodation

For delegates coming to Kottayam, all efforts will be made to accommodate them in Guest houses, Hotels and Hostels in and around the University area.

Accommodation reservation forms and available options and tariffs will be provided on the conference website .