



Registration Form

28th National Symposium on Plasma
Science & Technology

Plasma 2013

December 3 - 6, 2013

Name-----

Organization-----

Address for Correspondence:-----

Phone-----

E-mail-----

Fax:-----

Presenting Author : Yes. No.

Title of the paper:-----

Industrial Delegate : Yes. No

Academic Delegate: Faculty Student

Accommodation Required : Yes No

Registration Details :-----

Amount Paid :-----

Demand Draft Number, Date, Name of the Bank:-----

(In favour of PLASMA - 2013 payable at Bhubaneswar)
Date:

Signature

Bhubaneswar

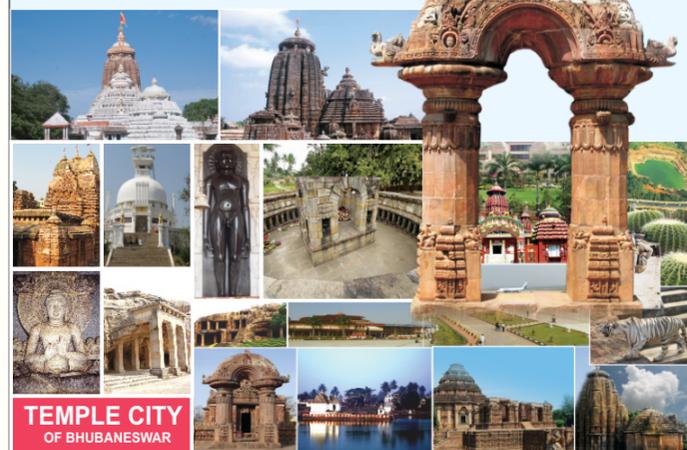
Bhubaneswar is the capital city of Odisha. The city has a long history of over 2000 years. Otherwise known as the temple city of India. Bhubaneswar today is a center of economic and tourist importance in the region. The city is well connected by air, rail and road. The climate of the city is pleasant during December and temperature ranges from 150°C to 250°C.

Tour

Post-Symposium tour to visit various places such as Puri, Konark, Dhauligiri, Khandagiri will be arranged on the basis of delegate's response on payment basis.

Accommodation

Accommodation will be provided on prior information in hotel/ guest house on payment basis.



TEMPLE CITY
OF BHUBANESWAR

Organisers:

Chief Patron

Dr. A. Samanta, Founder, KIIT & KISS, Bhubaneswar, Odisha

Patron

Dr. N. L. Mitra, Chancellor, KIIT University, Bhubaneswar
Dr. P. P. Mathur, Vice Chancellor, KIIT University, Bhubaneswar.
Shri R. N. Dash, Secetray & Advisor, KIIT & KISS
Dr. Sasmita Samanta, Registrar, KIIT University
Dr. D. K. Tripathy, Pro VC, KIIT University
Dr. S. Nanda, CIR, KIIT
Dr. B. C. Guru, QAC, KIIT

Chairman

Dhiraj Bora ,IPR Gandhinagar

National Advisory Committee

Abhijit Sen, IPR Gandhinagar	Joyanti Chutia, IASST, Guwahati
Avinash Khare , Delhi University	Manna I, IIT Kanpur
Barhai P. K. , BIT Mesra	Mishra B. K. , IMMT, BBSR
Bhoraskar S. V., Pune University	Murty B. S. , IIT Madras
Chakraborty M, IIT BBSR	Nampoori V. P. N. , ISP, CUSAT, Kochi
Das A. K. , BARC Mumbai	Predhiman Kaw, IPR Gandhinagar
Ganguli A, IIT Delhi	Ravindrakumar G, TIFR, Mumbai
Goswami J. N., PRL, Ahmedabad	Samathanam G. J. , DST, Delhi
Gupta P. D. , RRCAT, Indore	Saxena Y. C., IPR Gandhinagar
Iyenger Sekar , SINP Kolkata	Shukre C. S. , RRI, Bangalore
John P. I. , IPR Gandhinagar	

Scientific Programme Committee

Mukherjee S., IPR Gandhinagar, Chairman
Atrey P. K. ,IPR Gandhinagar, Member
Avinash Khare,Delhi University , Member
Ganesh Rajaraman, IPR Gandhinagar, Member
Parashar S.K.S, KIIT University, Member
Pal Rabindranath , SINP Kolkata, Member
Raju Daniel, IPR Gandhinagar, Member
Ravi A. V. Kumar, IPR Gandhinagar, Member

Local Organizing Committee

Mathur P. P,KIIT, Chairman	Parashar S. K. S,KIIT,Member
Champati P. K, KIIT, Member	Rath A. K ,KIIT,Member
Das Satyabrata, KIIT,Member	Rout G. C,KIIT,Member
Mukherjee P.S,IMMT, BBSR,Member	Singh U. P,KIIT,Member
Mandal A,IIT BBSR,Member	S.M. Ali,KIIT,Member
Mishra K. G,KIIT,Member	Sinha S. P,KIIT,Member
Nayak H. K,KIIT,Member	Som T,IOP,Member
Patra B. B,KIIT ,Member	Sahoo P. K,NISER, BBSR,Member
Parashar Kajal ,KIIT,Member	

ADDRESS FOR CORRESPONDENCE

Dr. S.K.S. Parashar (Oraganising Secratry, Plasma-2013)
School of Applied Sciences, Campus-3, KIIT University,
Bhubaneswar, India.
Email: plasma2013kiit@gmail.com, sksparasharfpy@kiit.ac.in
Mobile: 09438730872



28th National Symposium on Plasma
Science & Technology

Plasma 2013

December 3 - 6, 2013

Organized by

Plasma Science Society of India (PSSI)

&

School of Applied Sciences

KIIT University, Bhubaneswar-751024, India

<http://www.kiit.ac.in/plasma2013>



KIIT University

KIIT University is a leading multi-disciplinary university in India with 23 constituent Schools offering more than 100 academic programmes. It offers graduation and post-graduation studies in Engineering, MCA, Management, Rural Management, Law, Biotechnology, MBBS, MD, BDS, Nursing, Fashion Technology, Cinema & Mass Media Studies, Language and Sculpture. KIIT offers a world-class learning and its cosmopolitan campus is proud to have more than 18,000 students from all corners of the country and around 22 countries. KIIT's social responsibility finds its best expression in its sister concern, Kalinga Institute of Social Sciences (KISS). It is the largest residential institute for the tribals in the world, providing accommodation, food, healthcare, education from Kindergarten to Postgraduation, vocational training and all other basic amenities of life absolutely free.

About Plasma 2013

The 28th National Symposium on Plasma Science & Technology is jointly organized by School of Applied Sciences, KIIT University and Plasma Science Society of India (PSSI) from 3rd to 6th December 2013. The theme of the symposium is Fusion Science & Technology.

What is Plasma?

Plasmas are conductive assemblies of charged particles, neutrals and fields that exhibit collective effects. Further, plasmas carry electrical currents and generate magnetic fields. Plasmas are the most common form of matter, comprising more than 99% of the visible universe, and permeate the solar system, interstellar and intergalactic environments. Plasmas are radically multiscale in two senses (1) most plasma systems involve electro-dynamic coupling across micro- meso and macroscale and (2) plasma systems occur over most of the physically possible ranges in space, energy and density scales.

Nuclear Fusion Technology

Fusion is the process that produces the light and heat of the Sun. Hydrogen nuclei collide in the Sun's core and release huge amounts of energy as they fuse into Helium atoms. On earth, fusion reactors heat gas to extreme temperatures to produce a plasma similar to the conditions found within a star. Fusion's many benefits include an essentially unlimited supply of fuel, passive intrinsic safety and noproduct of CO₂ or atmospheric pollutants.

In a fusion reactor, the concept is that neutrons generated from the D-T fusion reaction will be absorbed in a blanket containing lithium which surrounds the core. The lithium is then transformed into tritium (which is used to fuel the reactor) and helium. The blanket must be thick enough (about 1 metre) to slow down the high-energy (14 MeV) neutrons. The kinetic energy of the neutrons is absorbed by the blanket, causing it to heat up. The heat energy is collected by the coolant (water, helium or Li-Pb eutectic) flowing through the blanket and, in a fusion power plant, this energy will be used to generate electricity by conventional methods.

Plasma Science Society of India (PSSI)

Plasma Science Society of India (PSSI) established in the year 1978 to encourage the study of all aspects of Plasma Science & Technology and to promote active interaction among all persons, bodies, educational and research institutions (private and/or state owned) and industries in the field of Plasma Science & Technology. PSSI has now more than 1000 members and is also supports activities in the form of fellowships, awards and recognition in the area of plasma science and technology.

Pre-Registration & Call for Papers

Scientists/Researchers/Students desirous of participating in this PLASMA 2013 are requested to pre-register ONLINE positively on or before 15th September, 2013. Abstracts are to be submitted in .DOC format as per the template on or before 30th September, 2013 to the email abstracts.plasma.2013@gmail.com with a subject line <abstract>. Please refer to the abstract template on the conference website. ONLY abstracts in DOC format will be accepted.

Please indicate your subject category while submitting the abstract. The details are available on www.kiit.ac.in/plasma2013

Topics to be Covered

- Basic Plasma (BP)
- Computer Modeling for Plasma (CM) Exotic Plasma (EP)
- Industrial Plasma Applications (IP)
- Laser Plasma (LP)
- Nuclear Fusion and Technology (NF)
- Plasma Diagnostics (PD)
- Plasma Processing (PP) Pulsed Power (PU)
- Space & Astrophysical Plasma (SA)
- Other areas (OA)

Important Dates

Registration opens:	10th July 2013
Last date of Pre-Registration:	30th September 2013
Last date of Submission of Abstract:	30th September 2013
Acceptance of Notification:	15th October 2013

Registration fees

All delegates including chairperson and invited speakers are required to register for the PLASMA 2013. The registration fee structure (On or before 30th October, 2013) is as follows

Industry Participants :	Rs. 5000/
International Participants :	Rs. 5000/
PSSI Members :	Rs. 1500/
Non members :	Rs. 2000/
Accompanying Person :	Rs. 1000/
Academia / R&D Organizations :	Rs. 2500/
Research scholar/ Students :	Rs. 500/

Technical Exhibition

It is planned to convene an exhibition during the symposium period. The technical exhibition includes state of art development in materials in general and on nanomaterials, instrumentation, components, scale models, characterization equipments, sensors and systems, etc. The exhibition will provide an opportunity for the industries to exhibit their products to the materials and nanotechnology community. Each stall consists of 3x3 meter size with required lighting and furniture facilities. Exhibition consists of a total 25 stalls which will be allotted on first come first basis.

Visit Link: <http://www.kiit.ac.in/plasma2013>

PSSI Awards 2013

PSSI in conjunction with external sponsors has instituted awards for outstanding research work in the area of Plasma Science and Technology. The Following awards will be presented during the time of conference. Please see the PSSI website for detailed information

- **The Buti young scientist award:**
To encourage young scientists, 'Buti Young Scientist Award' has been instituted by Buti Foundation. The award consists of a Certificate of Merit and a cash prize of Rs.10,000. On behalf of Buti Foundation, Plasma Science Society of India (PSSI) at its Annual National Conference will present this award to the selected two young researcher for the best oral presentation. Upper age limit is 35 years.
- **Z.H. Sholapurwala award:**
Four poster awards will be given at the time of conference.
- **PSSI award:**
Two poster awards will be given at the time of conference.

Travel assistance

Depending on the availability of funds, limited travel assistance to deserving students/junior faculty members will be provided on presentation of certificate from the head of their institution stating that their institution is not in a position to provide them with TA. No registration fee waiver would be possible.

Souvenir

A special souvenir will be brought out on the eve of Plasma 2013 highlighting the technical programme, delegates list and abstracts along with advertisements. Further it provides a golden opportunity for industries/ participating engineers/ manufacturers/ consultants to advertise their products/ services for the future vision and business.

Transportation

Transport will be arranged to the symposium venue during the period. The delegates are requested to submit the arrival details in the travel form well in advance.