

Important Dates:

Last date for Abstract submission	15 February 2017
Acceptance of Abstract	28 February 2017
Last date for registration	15 March 2017
Conference dates	28-30 March 2017

Registration Fee (In INR)

For students: 1200/-
Delegates from Academic Institutions (LSI Member): 1500/-
Delegates from Academic Institutions (Non Life Members): 1800/-
Industry Delegates: 2000/-

Registration Guidelines: Registration fee should be paid either by DD in favour of "HOD ELECTRONICS", payable at State bank of India, PRSU Branch, Raipur or in cash or Electronic transfer to

"HOD ELECTRONICS", Account No. 36372982441,
IFSC Code: SBIN003739, Branch Code: 03739,
Branch: SBI, PRSU, Raipur.

All presented papers will be reviewed and published in the Special Issue of International Journal of Luminescence and its Applications (IJLA)

Accommodation

Free accommodation will be arranged for students, outstation participants on first come first serve basis. Participants are required to inform the CONVENER well in advance.

Sponsors (Tentative)

DST, DAE, CSIR, UGC, AICTE, DRDO, DIT, BRNS, ICMR, DET, CCOST

Financial Assistance

Due to limited funds, travel support to the maximum IInd class sleeper will be provided to some of the selected student participants.

Weather Information

Raipur is the capital city of the developing state Chhattisgarh. Raipur has a tropical wet and dry climate. Summer season started by the mid of March, with temperature between 27-35 degree Celsius. Light clothing might be necessary.

How to Reach Raipur

Raipur is well connected by Air/ Rail/Road Transport, and situated on the Mumbai-Nagpur-Howrah route of the Indian Railways. It has connection of Air with direct flight from New Delhi, Mumbai, Kolkata, Bhubaneswar, Bhopal, Indore Hyderabad, Bangalore and Nagpur.

How to reach at Pt. Ravishankar Shukla University, Raipur?

The area where university is situated is called 'AAMA-NAKA'.

From Raipur Railway Station Railway station is approx 05 kms away from the University. Prepaid Autos available at Railway Station with the fare around Rs 80/-. Raipur City Buses are also regularly plying from Railway Station to Aama-Naka, Pt. Ravishankar Shukla University.

From Raipur Airport (MAANA) Raipur Airport is situated at Maana, south of Raipur City, 18 kms from the University. Private taxi service is available from the airport. The fare is~ Rs. 350/- from the airport to University campus. Raipur City Buses are also available from outside the Airport. Bus Route will be from Airport to Ghadi-chowk and then from Ghadi-chowk to University/Aamanaka. The fare is about Rs. 20 per head.

Conference Organizing Committees

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Contact Person:

Prof. Kavita Thakur
Convener, NSSEMA 2017,
Head, SOS in Electronics and Photonics,
Pt. R. S. University, Raipur (C.G.)
Contact No. - 09926801119

First announcement of**National Conference
On****SIGNAL PROCESSING, SUSTAINABLE
ENERGY MATERIALS****AND****ASTRONOMY & ASTROPHYSICS****(NSSEMA 2017)****28th -30th March, 2017****Organized by****S.O.S in Electronics & Photonics,****S.O.S in Physics & Astrophysics****Pt. Ravishankar Shukla University,
Raipur (C.G.)****(NAAC Accredited with Grade 'A')****and****Luminescent Society of India**

National Conference on Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics (NSSEMA 2017)

March 28-30, 2017

A three-day Conference, NSSEMA 2017, is going to be organized by School of Studies in Electronics and School of Studies in Physics & Astrophysics, Pt. Ravishankar Shukla University (PRSU), Raipur, Chhattisgarh, India (492010) in collaboration with Luminescence Society of India (LSI).

Target Participants

The Conference is intended for the participation of Young Faculty members of various Universities/Institutions, Colleges, Research Students and Post Graduate (PG) Students.

Aims of the Conference

The conference aims at the following objectives:

- To exchange the latest state of the art scientific information in the field of Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics.
- To provide a platform to the participants for exchanging the knowledge and for interacting with senior scientists of international repute so as to get acquainted with the international scenario of the concerned fields.
- To establish a working relationship and to explore the future research prospects by way of inter-institutional collaborations.

Relevance of Conference

Over the last three decades, there has been tremendous growth in the development and application of Signal Processing algorithms. Rapid advances in Communication Technology, Computer & Information Technology, and VLSI have spurred unprecedented research activities not only in the classical statistical signal processing areas, but also in the emerging areas such as wireless communications, sensor signal processing, distributed signal processing, Intelligent signal processing. It has attracted considerable attention due to advances in signal processing and communication. This has resulted in the development of many novel and innovative signal processing algorithms and methods.

The researchers in Material Science have brought about many fruitful results for example in the field of luminescence, energy saving lighting devices such as LCD, CFL, OLED etc. have changed the quality of life in all together. Invention of solid state batteries is commonly used in Cell Phones, Laptops etc. A future belongs to solid state lighting devices which save the energy and many types of sensor are on the way to revolutionize the scientific world and in turn the society.

Astronomical and Astrophysical Studies enclose the frontier areas like stellar, galactic & extragalactic Astronomy, solar Physics, cosmology and gravitational wave Astronomy. With the establishment of Reference Centre of Inter University Center for Astronomy and Astrophysics (IUCAA) at SoS in Physics and Astrophysics, PRSU Astronomical studies have become inevitable and imperative for research promotion in this region.

Therefore, it is relevant to organize a conference in Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics (NSSEMA-2017) to keep abreast of the cutting edge research going on globally.

About the Conference:

Signal processing, Sustainable Energy Materials and Astrophysics are the driving heartbeats in the development of technologies that enrich our lives and advance our society. The conference provides, both for researchers and developers, an engaging forum to exchange ideas and propel new developments in this field. This conference will facilitate a fantastic opportunity to network with like-minded professionals from around the country. The organizing committee hereby invites scientists / technologists engaged in basic as well as applied research in Universities, Research Institutions and Industries to participate. The scientific sessions will comprise plenary talks, invited talks, technical talks and contributed papers (both oral and poster). Following thematic sessions are planned:

Topics include but are not limited to:

In the field of Signal Processing

- Audio and acoustic signal processing
- Bio-imaging and biomedical signal processing
- Speech processing
- Machine learning for signal processing
- Multimedia signal processing
- Image, video & multidimensional signal processing
- Optical Signal processing and display technology

In the field of Sustainable Energy Materials

- Solid State Ionic Materials
- Polymer Electrolytes
- All Solid State Battery Applications
- Photo Luminescence
- Thermo Luminescence
- Optically Stimulated Luminescence (OSL)
- Different types of Luminescence
- Industrial applications of phosphors
- Phosphors for solar cell

In the field of Astronomy & Astrophysics

- CCDs and Image Processing
- Robotic Control and System automation
- Space Astronomy

About Luminescent Society of India (LSI)

Luminescent Society of India (LSI), founded in 1990, provides a forum for interaction for Indian scientists and technologists with affiliation to different universities and research institutions in the field of Luminescence and their applications by organizing annual conferences regularly. Four international conferences were successfully organized wherein Indian researchers were joined by a large number of foreign scientists.

About University

Pt. Ravishankar Shukla University is Chhattisgarh's largest and oldest institution of higher education, founded in 1964. The campus of University is spread in 207 acres. It is well connected by air, rail and road between Howrah and Mumbai, and lies on NH-6. The campus is located at about 10 kilometers from the airport and about 4 kilometers from the railway station. There are Twenty-Nine teaching departments in the University. The total number of employees is 700. There are 5000 students enrolled for variety of courses and more than 100 faculty members are work for university. There are 180 educational institutions affiliated to the University.

About the Department

Department Started journey from 1994 and conducts full time courses leading to M.Sc. (Electronics) and M.Tech. (Opto- electronics & Laser Technology). The faculty members are actively engaged in research as well as supervision of research leading to a Ph. D degree in the field of optical electronics, semiconductors, Speech & Image Signal Processing and microelectronics. The Department has international collaborations and several research projects funded by the UGC, CCOST, USIEF and UK-India Consortium British Council.

About Physics and Astrophysics

The School of Studies in Physics & Astrophysics was established in the year 1972. Since its inception, the department has been imparting quality education at PG level and advanced research in frontline areas of Physics with major focus on Solid State/Condensed Matter Physics/Materials Science and Astronomy & Astrophysics (A&A), so that students of this region get academically benefited at par with any leading National/International institutions. It is worth mentioning that Pt. Ravishankar Shukla University is one amongst only few Indian Universities, and the one in the new state of Chhattisgarh, where teaching and research in Astronomy and Astrophysics (A&A) is being carried out in the Physics Department. In material Science, two groups are there: Luminescent materials research group and solid state Ionics group. The department was recognized as Center of Excellence (1987-1992) by M.P. Uchcha Shiksha Anudan Ayog, Bhopal. The department has received DST-FIST twice.

Submission of Abstract:

Author should submit an abstract original, unpublished paper not exceeding 500 words without figures and tables. The abstract should include:

- Title MS Word in Arial (Size 16 Points) in single spacing
- Authors name MS Word in Arial (Size 14 Points)
- Affiliation MS Word in Arial (Size 12 Points)
- Abstract MS Word in Arial (Size 12 Points) in single spacing

Abstract should briefly include the purpose of study, methods, results and conclusions. At the bottom of the page, please indicate the category (thrust area). Abstract should be submitted through e-mail nssema2017@gmail.com. The entire submitted abstract will be scrutinized by a reviewing committee and notice of the acceptance will be sent by e-mail.