

Registration Form

(NSSEMA-2023)

National Conference on Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics

Name.....

Designation.....

Qualification.....

Institute Name.....

Address for correspondence:.....

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Telephone -.....

Mobile -.....

Email.....

LSI membership(if available)

ID:.....

DD. No. -.....

Date.....

Bank -.....

Branch -.....

Amount Rs.....

Place.....

Date -.....

Signature of Applicant

Signature & Seal

HOD

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(NSSEMA 2023)

2nd National Conference

ON

**Signal Processing, Sustainable Energy
Materials
and Astronomy & Astrophysics**

16-18th March 2023



Organized by

**S.o.S in Physics & Astrophysics,
S.o.S in Electronics & Photonics**

Pt. Ravishankar Shukla University, Raipur (C.G.),
(NAAC Accredited with Grade 'A')

and

Luminescent Society of India

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. This conference will facilitate an opportunity to network with like-minded professionals inviting researchers/ scientists / technologists engaged in basic and applied research in Universities, Research Institutions and Industries to participate. The scientific sessions will comprise plenary/ invited/ technical talks and contributed papers (oral/ poster).

Aim:

Provide a platform to the participants for exchanging the knowledge and latest state of the art scientific information in the field of Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics.

Following thematic sessions are planned:

In the field of Signal Processing

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

In the field of Sustainable Energy Materials

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

In the field of Astronomy & Astrophysics

- Instrumentation, Observations and Analysis
- Theoretical Modeling
- Computational Astronomy

Submission of Abstract:

Author should submit an abstract original, unpublished paper not exceeding 500 words without figures and tables.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

- Title Arial (Size 16 Points)
- Authors name Arial (Size 14 Points)
- Affiliation Arial (Size 12 Points)
- Abstract Arial (Size 12 Points)

Abstract should briefly describe the purpose of study, methods, results and conclusions. At the bottom of the page, please indicate the category (thrust area). Abstract should be in MS WORD format with single spacing. Please e-mail nssema2023@gmail.com. The submitted abstract will be reviewed by a committee and acceptance will be notified by e-mail. **Research articles will be published in IOP publication.**

Important Dates:

Last date for Abstract submission : 30th January 2023
Acceptance of Abstract : 15th February 2023
Last date for registration: 01st March 2023
Conference : 16-18th March 2023

Registration Fee (In INR)

PG students: 600/-
Research students: 1200/-
Faculties: 1500/-
Industry Delegates: 2500/-

Registration Guidelines: Registration fee (Non-refundable) should be paid either by DD in favour of “HEAD SOS IN PHYSICS RSU RAIPUR”, payable at State bank of India, PRSU Branch, Raipur or in cash or through Electronic transfer to “HEAD SOS IN PHYSICS RSU RAIPUR”, Account No. 10049592188, IFS Code: SBIN0003739, Branch Code: 03739, Branch: SBI, PRSU, Raipur. Registration fee includes conference kit, Lunch and High Tea.

Accommodation

For first 50 registrations accommodation will be free, 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 up to IInd class sleeper will be provided to a few selected student participants.

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. There are 180 educational institutions affiliated to the University.

About SoS in Physics and Astrophysics

Since its inception in 1972, the department has been imparting quality education at PG level and advanced research on Solid State/Condensed Matter Physics/Materials Science and Astronomy & Astrophysics (A&A), Pt. R.S. University is one amongst only few Indian Universities, where teaching and research in Astronomy and Astrophysics (A&A) is being carried. 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.

About SoS in Electronics and Photonics

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

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.

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