

About the Institute

Sant Longowal Institute of Engineering and Technology (SLIET) is Deemed University and centrally funded technical institute of Govt. of India with an aim to achieve technological excellence through innovation. It caters to the technical manpower requirements at various levels by adopting a new concept of modular system in imparting technical education with emphasis on practical training in industry. It offers Certificate, Diploma, Degree, PG and Ph.D. courses in various disciplines of Engineering Science and Management.

Department of Physics

The Department offers Ph.D. and M.Sc. in Physics and other basic courses on engineering physics, modern physics and materials science to students of all engineering trades at certificate, diploma and degree levels. Besides teaching, the faculty members are engaged in active research work in their respective fields of interest covering different areas such as Materials Science, Nuclear Physics, Atomic Physics and Condensed Matter Physics etc. and have collaboration with laboratory at National and International level.

Location

The Institute is connected by road with Sangrur (16 Kms), Patiala (80 Kms), Sunam (17 Kms), Ludhiana (100 Kms), Chandigarh (150 Kms), Delhi (320 Kms). The nearby railway stations are Sangrur, Sunam, Dhuri Junction (35 Kms) and Barnala (30 Kms). The nearest airport is Chandigarh. The weather of Longowal during conference time is expected to remain pleasant.

Accommodation

For Students: Rs. 300/- (Full conference period).

For others: Rs. 300/- per day in guest house and transit accommodation respectively on sharing basis. Lady participants will be accommodated at girl's hostel with nominal charge.

Abstract/Manuscript submission

Prof. M M Sinha, Chairman, AMRP-2023

Department of Physics, S.L.I.E.T. Longowal,

Distt. Sangrur (Punjab) – 148106

Phone: 9417040169, 6239793053, 9465191823

Email: slietamrp2023@gmail.com

For further details, please visit the conference website:

<http://www.amrp2023.in>

Organizing Committee

Patron-in-Chief:

Prof. Shailendra Jain, Director

Patron:

Dr. J. S. Dhillon, Dean (Academic)

Chairman:

Dr. M. M. Sinha, Professor (Physics)

Co-Chairman(s):

Dr. A S Dhaliwal, Professor (Physics)

Dr. S S Verma, Professor (Physics)

Organizing Secretaries:

Dr. Prabhdeep Kaur, AP (Physics)

Ms. Kanika Agarwal, AP (Physics)

Members:

Dr. K.S. Kahlon, Professor (Physics)

Dr. Jagdeep Singh, AP (GF)

Local Advisory Committee

Prof. A. S. Arora, Dean (FSW)

Prof. Rajesh Kumar, Dean (SW)

Prof. P. S. Panesar, Dean (P & D)

Prof. A.S. Dhaliwal, Dean (R & C)

Prof. A S Shahi, HOD (ME)

Prof. Surita maini, HOD (EIE)

Prof. Surinder Singh, HOD (ECE)

Prof. Birmohan Singh, HOD (CSE)

Prof. Vikas Nanda, HOD (FET)

Prof. Pushpa Jha, HOD (ChE)

Prof. Dheeraj Sud, HOD (Chemistry)

Prof. V. K. Kukreja, HOD (Math)

Prof. Jappreet Kaur, HOD (H & M)

National Advisory Committee

Prof. R K Sinha, VC, Gautam Buddha Univ., Noida

Prof. Anand K Tyagi, VC, Kashi Vidyapeeth, Varanasi

Prof. Neeraj Khare, I.I.T. Delhi

Prof. Rajiv K Mandal, I.I.T. (BHU), Varanasi

Prof. Ravi Kumar, NIT, Hamirpur

Prof. G.D. Verma, I I T Roorkee

Prof. Ashavani Kumar, N.I.T. Kurukshetra

Prof. S.K. Tripathi, Panjab University, Chandigarh

Prof. Sanjay Mandal, IISER Mohali

Prof. Anil Kumar Gourishetty, I I T Roorkee

Prof. P.B.Barman, JUIT Waknaghat (HP)

Prof. B.L. Ahuja, M.L. Sukhadia. Univ. Udaipur

Prof. P.P. Singh, I.I.T. Ropar

Prof. Abir De Sarkar, INST, Mohali

Prof. R. G. Sonkawade, Shivaji University, Kolhapur

Prof. Minati Bral, NIT Kurukshetra

Dr. Pravin Kumar, Scientist F, IUAC, New Delhi

Prof. R. B. Choudhary, IIT (ISM) Dhanbad

Call for papers

6th National Conference on Advanced Materials and Radiation Physics

(AMRP-2023)

(HYBRID MODE)

(18-19 May, 2023)



Organized by;

Department of Physics

Sant Longowal Institute of Engineering and
Technology

(Centrally Funded Technical Institute of Govt. of
India) (Deemed-to-be-University)
Longowal, Sangrur-148106 (Punjab)
<http://www.sliet.ac.in>

Publication partner:

**Journal of Physics:
Conference Series**

IOP Publishing

Scope of conference

The main aim of the conference is to provide a platform to the Researchers, Scientist, research scholars and research scientist from R & D wings of industry and research institutions in the field of Materials science and radiation physics all over the country to interact with each other and share their ideas. The young scientist and students will get a chance to put forward their research work in front of experts of their particular field. So, to provide them a platform, the Department of Physics has taken an initiative to organize 6th National Conference on “Advanced Materials and Radiation Physics” (AMRP-2023) on the pattern of previous conferences organized by the department in the year 2009, 2011, 2013, 2015 and 2020. Proceedings of our previous conferences (AMRP-2015) and (AMRP-2020) were published in AIP Conf. Proceedings bearing vol. no. 1675 and 2352 respectively. The Conference will focus on latest research, current practices, and future trends in the field of material Science and radiation physics that would best fit for the local as well as global needs. The conference will be conducted in HYBRID MODE (Online and Offline mode).

Topics covered in conference

- a. Smart and Nanostructured materials
- b. Electronic and Photonic Materials
- c. Materials Computational Methods
- d. Nano Biomaterials & biosystem
- e. Electronic structures and phonons
- f. Semiconductor physics
- g. Superconductivity and spintronics
- h. Surfaces, interfaces and thin films
- i. Glasses and amorphous systems
- j. Optical Properties of Materials
- k. Radiation Measurements & Inst.
- l. Radiation Sources, Reactors and Accelerators
- m. Basic Radiation Processes
- n. Radiation Induced Modification of Materials
- o. Applications of Radiations

Conference Tour

Conference tours for Amritsar (Golden temple, Wagha border about 225 km from Longowal) and Chandigarh (Rock garden, Sukhna lake, Rose garden, Pinjore garden about 150 km from Longowal) will be arranged for delegates on payment basis on 20th May 2023



Submission of Abstract & Paper

Authors are required to submit their original and unpublished research work for presentation in online & offline mode (Hybrid Mode) in the conference. Only one paper per registered participant will be considered for publication, however, one can be a co-author of more than one paper. All the registered participants will be allowed to attend the conference sessions and be awarded a certificate of participation.

Participants must register themselves ONLINE and upload abstract & full paper at conference website (www.amrp2023.in) as per Journal of Physics: Conference Series (JPCS) format (<https://publishingsupport.iopscience.iop.org/questions/templates-and-guidelines-for-proceedings-papers/>). All submitted papers will be peer reviewed as per JPCS guidelines and subject to plagiarism checks (maximum limit 10%). All accepted papers will be published in the open access Journal of Physics: Conference Series (JPCS).

Journal of Physics: Conference Series (JPCS) is a peer-reviewed, open-access publication from IOP Publishing and is indexed in Scopus, Web of Science, Inspec and many other indexing. The authors are required to pay the processing/publishing charge within a week after acceptance of the paper to ensure inclusion of their paper in the conference proceedings (JPCS).

link for full paper submission:

<https://www.morressier.com/call-for-papers/64198938c5146900127c62a4>

Important Deadlines

Submission of abstract & full paper:	10.05.2023
Acceptance notification:	10.05.2023
Registration deadline:	12.05.2023
Conference dates:	18-19 May, 2023

Late registration fee of Rs. 500/- extra will be charged.

Full paper acceptance:	10.06.2023
Payment of processing charge: *	17.06.2023

*only after acceptance of full paper

Rs. 500/- will be charged for late payment of processing charge

Registration

The enclosed registration form or its photocopy may be filled and sent with registration fee.

Category of Authors	Participation and Presentation	Open Access Fee (Publication in Journal of Physics: Conference Series – IOP Science)**
Research Scholars /UG/PG Students	2000/-	7500 /-
Faculties/ Scientists	2500/-	7500 /-

****Open Access Fee will be paid only after acceptance of full-length manuscript.**

Mode of payment

The payment for the registration fee can be made in the form of demand draft drawn in favor of “AMRP-2023” or via Net Banking to the account below: Bank & Branch: Central Bank of India, Longowal A/C No.: **5319138104**

IFSC code: **CBIN0283105**,

Branch code: **283105**

Registration Form

<https://forms.gle/y8xrbtNvU4X4aQPQA>

6th National Conference on Advanced Materials and Radiation Physics

(AMRP-2023)

(HYBRID MODE)

(18-19 May, 2023)

1. Name:
2. Status of delegates: Research scholar/Faculty/Scientist
3. Field of Specialization:.....
4. Name of Organization:.....
5. Mailing Address:.....
.....
E-mail:.....
Telephone No.:.....
6. Accommodation required: Yes/No
7. Interested for tour on 20th May 2023: Yes/No
If yes (tick one): 1. Amritsar 2. Chandigarh
8. I wish to participate in conference only : Yes/No
9. I wish to present and publish paper: Yes/No
10. Title of the Paper:.....
.....

I am enclosing a demand draft of Rs..... in favor of “AMRP-2023” payable at Longowal as registration fee. DD No.:.....

Or

Payment detail

NetBanking:

Net Banking Ref. No.

Pay amount & date:

Date.....

Signature.....

