

About SLIET Longowal

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.

About IIT Jammu

The Indian Institute of Technology Jammu (IIT Jammu) is a public research university located in Jammu, Jammu and Kashmir. IIT Jammu is one of the India's IIT. A sophisticated state of the art facility with several research laboratories at IIT Jammu provides world class environment for emerging and applied research.

About NIT Delhi

National Institute of Technology, Delhi is a premier public technical university located in Delhi, India. It has been declared as an Institute of National Importance by an act of Parliament of India. It is one of the 31 National Institutes of Technology in India.

About IAHT Ludhiana

Institute for Auto Parts and Hand Tools Technology is an Industrial Research, Development and Technical services providing institute. The focused area of the institute is in Auto Parts and Hand Tools manufacturing sector.

Venue of Conference

Sant Longowal Institute of Engineering and Technology, Longowal, Distt. Sangrur (Punjab)-148106.

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.

Contacts:

Prof. M M Sinha, Chairman, AEMTA-2024
Department of Physics, S.L.I.E.T., Longowal,
Distt. Sangrur (Punjab) – 148106
Phone: 6239793053, 9781403550, 7256933483

Email: aemta2024@sliet.ac.in

For more details, please visit
www.aemta2024.in

ORGANIZING COMMITTEE

Patrons-in-Chief:

Prof. Mani Kant Paswan, Director, SLIET Longowal
Prof. Manoj Singh Gaur, Director, I.I.T, Jammu
Prof. Ajay K. Sharma, Director, N.I.T, Delhi

Patron:

Prof. J S Dhillon, Dean (Acad), SLIET Longowal

Chairman:

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

Co-Chairman(s):

Dr. S. S. Verma, HOD (Physics), SLIET Longowal

Dr. A. S. Shahi, HOD (ME), SLIET Longowal

Dr. Surinder Singh, Dean (R&C), SLIET Longowal

Dr. Sanjeev Katoch, GM IAHT, Ludhiana

Organizing Secretaries:

Dr. Jagtar Singh, Prof. (ME), SLIET Longowal

Dr. Ajay Pal Singh, HOD (ECE), SLIET Longowal

Dr. Anil Kumar Singla, AsP (ME), SLIET Longowal

Dr. Vinay Sharma, AP (Biosci. & Bioengg.) IIT Jammu

Dr. V. S. Pandey, Dean (FW), NIT Delhi

Joint Organizing Secretaries:

Dr. Rahul Salunkhe, AP (Physics), IIT Jammu

Dr. Jagdeep Singh, AP (GF) (Physics), SLIET Longowal

Dr. Anuj Bansal, AP (ME), SLIET Longowal

Dr. Kundan Kumar, AP(ECE), SLIET Longowal

Mr. Jonny Singla, AP (ME), SLIET Longowal

National Advisory Committee

Prof. Buta Singh, VC, MRSPTU, Bhatinda

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, N.I.T, Hamirpur

Prof. S. Aravindan, I. I. T, Delhi

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

Prof. Hari Singh, N.I.T, Kurukshetra

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

Prof. Sanjay Mandal, IISER Mohali

Prof. Sehijpal Singh, Principal, GNDEC, Ludhiana

Dr. Raviraj Vankyal, I.I.T, Jodhpur

Dr. Raghvendra Kumar Chaudhary, I.I.T, Kanpur

Dr. Santanu Dwari, I.I.T, Dhanbad

Dr. Navneet Khanna, IITRAM, Ahmedabad

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

Prof. Mrinal Kanti Mandal, I.I.T, Kharagpur

Prof. Vikas Chawla, IKGPTU, Kapurthala

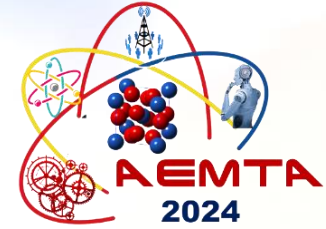
Prof. Harpreet Singh, I.I.T, Ropar

Prof. Arun Kumar Singh, PEC, Chandigarh

Prof. Rupinder Singh, NITTTR, Chandigarh

Prof. N M Suri, PEC, Chandigarh

Prof. B. L. Ahuja, MLSU, Udaipur, Rajasthan



National Conference on “Advanced and Emerging Materials for Technological Applications”

(AEMTA-2024)

(HYBRID MODE)

(15-16 March, 2024)

Organized by:

**Department of Physics, Mechanical
Engineering, Electronics and Communication
Engineering**



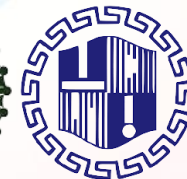
**Sant Longowal Institute of Engineering
and Technology, Longowal (Punjab)**

(Deemed-to-be University under MoE,
Govt. of India)

in collaboration with



**I.A.H.T.
Ludhiana**



N.I.T. Delhi



I.I.T. Jammu

www.aemta2024.in

Scope of conference

The aim of the conference is to provide a platform to bring together faculty, researchers, Scientists, engineers, research scholars and industrial experts for exchanging the latest research advancements in advanced and emerging materials and their technological applications. The young scientist/engineers and research students will get a chance to put forward their research work in front of experts of their particular field. Participants will also have the opportunities to establish the research collaboration with the industry and academia through different interactive sessions with the experts. So, to provide participants a platform, the Sant Longowal Institute of Engineering and technology, Longowal in collaboration with IIT, Jammu, NIT, Delhi and IAHT, Ludhiana has taken an initiative to organize National Conference on "Advanced and Emerging Materials for Technological Applications" (AEMTA - 2024). **The conference will be conducted in HYBRID MODE (Online and Offline mode).**

Topics covered in conference

- Nanostructured materials
- Smart and Functional Materials
- Electronic and Photonic Materials
- Materials Computational Methods
- Nano Biomaterials & Biosystem
- Surface and Material Characterization
- Plasmonics
- Energy Harvesting Materials
- Biomedical Materials
- Polymeric Materials
- Superconductivity and spintronic
- Sensors and Device Fabrications
- Microelectronics, Nano-electronics
- Nanotechnology & VLSI Design
- Communication & Networking
- Additive Manufacturing
- Sustainable Materials
- Surface Engineering
- Materials processing
- Food materials, Physics & applications
- Materials for food formulation & processing



Submission of Abstract & Paper

Papers are invited for the oral and poster presentations. Authors may submit an abstract limited to 250 words containing title, brief introduction, objectives, methodology and major findings of the paper. It should be typed in MS Word, Times New Roman 12-point font, single spacing with one inch margins on all sides. The corresponding author should be marked with asterisk (*) sign. The name of the presenting author should be underlined. The abstract must include the affiliations of all authors along with email address. Papers will be selected for presentation on the basis of review by subject expert. The presenting & registered author will receive participation certificate. Authors are required to submit their original and unpublished research work for presentation **(HYBRID MODE)** in the conference. Selected papers will be published in book/proceeding form published by some reputed publishers. Only one paper per registered participant will be considered for publication, however, one can be a co-author of more than one paper.

Link for Registration/abstract/ full length paper submission:
<https://forms.gle/d7AnRc9GaHey5Gyo8>

Best Paper Award

A few paper will be considered for best paper award.



Important Deadlines

Abstract Submission:	15.01.2024
Acceptance Notification:	25.01.2024
Registration deadline:	30.01.2024
Full paper:	15.02.2024

Registration

The authors presenting the papers and others who are interested to participate in the conference must register themselves before the last date of registration. Only the registered persons will be given the certificate. The registration fee for various categories is as follows:

Sr. No.	Delegates	Paper presentation only
1	Research Scholars	Rs. 750
2	Faculty/Scientist	Rs. 1500/-
3	Industry	Rs. 2500/-

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

Mode of payment

The payment for the registration fees can be made via Net Banking to the account below:

Bank & Branch: Central Bank of India, Longowal

Beneficiary Name: AEMTA-2024

A/C No.: 5474900039

IFSC code: CBIN0283105, Branch code: 283105

Registration Form

<https://forms.gle/d7AnRc9GaHey5Gyo8>



National Conference on "Advanced and Emerging Materials for Technological Applications"

(AEMTA-2024)

(HYBRID MODE)

(15-16 March, 2024)

www.aemta2024.in

1. Name:
2. Status of delegates: Research scholar/Faculty/Scientist
3. Field of Specialization:.....
4. Name of Organization:.....
5. Mailing Address:.....
.....
6. E-mail:.....
7. Telephone No.:.....
8. Mode of Presentation: Online/Offline
9. Type of presentation: Oral/Poster
10. Accommodation required: Yes/No
11. I wish to participate in conference only: Yes/No
12. I wish to present and publish paper: Yes/No
13. Title of the Paper:.....
.....

Payment detail (Net banking)

Net Banking Ref. No.

Amount:

Date:.....

Signature