NATIONAL ADVISORY COMMITTEE

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Bhasin, V.	BARC, Mumbai
Bhanage, V. P.	RRCAT, Indore
Banerjee, R.	IIT, Delhi
Chengalur, J. N.	TIFR, Mumbai
Ganguly, T.	IPR, Gandhinagar
Malshe, U. D.	BARC, Mumbai
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Pillai, S. G.	IGCAR, Kalpakkam
Rajesh, V.	NPCIL, Mumbai
Subrahmanian, B.	AERB, Mumbai
Udupa, D. V.	BARC, Mumbai
Sharma, Anesh Kumar	SSPL, DRDO, New Delhi
Mascarenhas, M. L.	BARC, Mumbai

LOCAL ORGANIZING COMMITTEE (BARC, MUMBAI)

Sridhar, G.	(Convenor)
Rath, Asawari D.	(Co-Convener)
Someswara Rao, CH.	(Sci. Secretary)
Rana, Paramjit	(Org. Secretary)
DAS, R. C.	(Treasurer)
Wahid, Abdul	(Jt. Treasurer)
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Jana, B.	
Kawade, N. O.	
Kar, R.	
Mandal, P. K.	
Nagaraj, A.	
Pal, T. B.	
Rawat, V. S.	
Shah, M. L.	
Sai Prasad, M. B.	
Seema, A. U.	
Thomas, Jinesh	

CONFERENCE ORGANIZING COMMITTEE

Mascarenhas, M. L.	Chairperson, BARC, Mumbai
Padma Nilaya, J.	Co-Chairman, BARC, Mumbai
Sridhar, G.	Convener, BARC, Mumbai
Rath, Asawari D.	Co-convener, BARC, Mumbai
Someswara Rao, CH.	Secretary (Scientific), BARC, Mumbai
Rana, Paramjit	Secretary (Organizing), BARC, Mumbai
Agrawal, P. K.	RRCAT, Indore
Bhattacharyya, D.	BARC, Mumbai
Chidangil, S.	JSS STU, Mysuru
Dikshit, B.	BARC, Mumbai
Garg, A.	BARC, Mumbai
Joseph, J.	IIT Delhi, New Delhi
Khare, A.	IIT, Guwahati
Krishnamurthy, M.	TIFR, Hyderabad
Saxena, P.	RRCAT, Indore
Sahu, G. K.	BARC, Mumbai
Venugopal, R. S.	UOH, Hyderabad
Vasa, Parinda	IITB, Mumbai

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CONFERENCE AT A GLANCE

1st DAE–BRNS CONFERENCE ON LASERS & EMERGING APPLICATIONS (CLEA)

17–20 FEBRUARY 2027

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CONFERENCE OVERVIEW

ABOUT THE CONFERENCE

The 1st Conference on Lasers & Emerging Applications (CLEA 2027) will be held at BARC, Mumbai, during 17–20 February 2027. Sponsored by BRNS, Department of Atomic Energy, it is organized by BARC, Mumbai in association with the Power Beam Society of India (PSI).

SCIENTIFIC SCOPE

The conference offers young researchers a platform to interact with eminent scientists from India and abroad and present their work. It covers frontier research in fundamental laser physics and advances in laser technology and applications across science and technology.

PROGRAMME & PARTICIPATION

The programme features invited lectures, contributed posters and Ph.D. thesis presentations. Scientists, engineers, academicians and young researchers from academic institutions, R&D centres, PSUs and industry working in lasers and related fields are invited to participate.

PAPER & THESIS SUBMISSION

MANUSCRIPT SUBMISSION

Authors are invited to submit full-length manuscripts in the prescribed format through www.clea2027.com by December 10, 2026. Manuscripts should be prepared in MS Word (.doc or .docx) format and should be 2-4 pages long, including figures, tables and references. A separate abstract of not more than 100 words should also be submitted as per the website guidelines.

Ph.D. THESIS PRESENTATIONS

Ph.D. students who have submitted their theses in relevant areas, or expect to submit them by December 31, 2026, and those awarded Ph.D. degrees after January 1, 2026, are eligible for thesis presentations. Interested candidates should submit a four-page thesis summary by December 31, 2026, along with a certificate from their Ph.D. supervisor indicating the date of thesis submission or award of the degree.

CONFERENCE MATERIALS

A Book of Abstracts, containing abstracts of peer-reviewed contributed papers, invited lectures and thesis summaries, will be made available to participants during the conference. Full-length manuscripts and thesis summaries will also be available for download from the conference website.

POSTERS & AWARDS

A 1 m × 1 m board will be provided for each poster. Selected papers and theses will be considered for the Best Poster Award and Best Thesis Award, respectively, presented by the Power Beam Society of India (PSI).

TOPICS OF INTEREST

- Physics and Technology of Lasers
- Lasers in Nuclear & Defence Technologies
- Laser Materials and Devices
- Nonlinear, Quantum and Atom Optics
- Ultrafast Lasers & Laser plasma interactions
- Lasers in Material Science
- Laser based instrumentation
- Laser Spectroscopy
- Lasers in Chemistry, Biology & Medicine
- Emerging Applications of Lasers

ACCOMMODATION

STUDENT STAY

Efforts will be made to provide shared hostel accommodation for student participants.

HOTEL ACCOMMODATION

As BARC Guest House rooms are limited, most outstation participants will be accommodated in hotels offering single/shared AC or non-AC rooms.

REQUESTS & PREFERENCES

Registered participants should submit accommodation requests through the CLEA 2027 website and may indicate their preferred room-sharing partner. Hotel details will also be available online.

BOOKING ADVANCE

An advance equal to one day's room rent is required. Hotel accommodation will be confirmed only after the advance is received.

REGISTRATION

REGISTRATION CATEGORY	FEE
DAE delegates	NIL
Academic delegates	₹7000
Students	₹4000
Invited Speakers	NIL
Industry Delegates	₹20000

Registration is mandatory for authors presenting papers or theses.

PAYMENT & ACCOMMODATION ADVANCE

For payment of registration fees and accommodation advance, please visit www.clea2027.com. Payments will be accepted by electronic bank transfer. Bank details will be communicated to approved participants.

Financial Assistance

Financial assistance towards local hospitality and travel by train (sleeper class) by the shortest route can be provided to a limited number of deserving students. Applications for assistance, along with a recommendation letter from the research guide / Head of Department, addressed to the Convener, CLEA-2027, should reach the Convener on or before 20 January 2027.

IMPORTANT DATES

- **Paper Submission**
  Last Date: December 10, 2026
- **Thesis Submission**
  Last Date: December 31, 2026
- **Intimation of paper Acceptance**
  Last Date: December 31, 2026
- **Accommodation Request & Advance**
  Last Date: January 05, 2027
- **Registration with Payment**
  Last Date: January 15, 2027