

ABOUT NERIST

North Eastern Regional Institute of Science and Technology (NERIST) is a premier science and technology-oriented higher education institute located at Nirjuli, Itanagar, Arunachal Pradesh. Established by the Government of India in 1984. NERIST is an autonomous, fully residential institute, funded and controlled by the Ministry of Education, Government of India, and has been accorded the status of a Deemed-to-be-University under Section 3 of the UGC Act, 1956 since May 2005. Spread across a scenic 513-acre campus, the Institute provides a vibrant academic and research environment in the heart of the North-Eastern region of India.

NERIST is unique in the country for its innovative modular system of education, designed to develop technical manpower at technician, supervisory, and executive levels. Academic programmes began in 1986, and the Institute currently offers undergraduate, postgraduate, and doctoral programmes in major engineering and science disciplines, including Agricultural, Civil, Mechanical, Electrical, Electronics & Communication, Computer Science & Engineering, Food Engineering and Technology, and Forestry. The undergraduate engineering programmes are accredited by the National Board of Accreditation (NBA).

Governed by a Board of Management comprising representatives from the Ministry of Education, AICTE, the eight beneficiary North-Eastern states, and eminent educationists, the Institute plays a vital role in regional and national development. With strong emphasis on quality education, research and development, innovation, entrepreneurship, and community outreach, NERIST actively contributes to capacity building, sustainable development, and technological advancement—particularly tailored to the socio-economic and environmental needs of the North-Eastern region of India, while maintaining global standards in science and engineering education.

Important Dates

Abstract Submission	30 May 2026 to 30 July 2026
Full-length paper submission	5 October 2026
Submission of Camera-ready paper	20 October 2026
Early-bird registration	1 August 2026
After Early birds	22 October 2026
Last Date of Registration to attend SSAME 2026	25 October 2026
Please visit the conference website regularly for the updates.	

ORGANIZING TEAM OF SSAME 2026

Chief Patron:	Prof. Narendranath S., Director, NERIST
Patron:	Prof. Sarsing Gao, Dean (Academic), NERIST
Co-Patrons:	Prof. Madhu Bala Sharma, Dean (R&D), Prof. Muthumari Chandrasekaran, Dean (Admin.), and Prof. S. Mahto, Dean (P & D)
Conference Chairs:	Prof. Dipika Devi, Head, Department of Civil Engineering and Prof. Sutanu Samanta, Head of Department of Mechanical Engineering
Organizing Chairs:	Dr. Neero Gumsar Sorum Dr. Yadaiah Nirsanametla
Organizing Secretaries:	Dr. Sohini Chowdhury Dr. Jeetendra Singh Khichad

REGISTRATION FEE (INCLUSIVE of GST@18%)

National Delegates		
Category	Early Bird Registration (up to 1 Aug 2026)	After Early Bird Registration (2 Aug to 22 Oct 2026)
Academician / Scientist	Rs. 4,720/-	Rs. 5,900/-
Industry Delegate	Rs. 9,440/-	Rs. 11,800/-
MS / M.Tech / PhD Scholars	Rs. 2,950/-	Rs. 3,540/-
Students	Rs. 1,770/-	Rs. 2,360/-
Accompanying Person	Rs. 2,360/-	Rs. 2,360/-
International Delegates		
Category	Early Bird Registration (up to 1 Aug 2026)	After Early Bird Registration (2 Aug to 22 Oct 2026)
Academician / Scientist	USD 200	USD 250
Industry Delegate	USD 500	USD 600
MS / M.Tech / PhD Scholars	USD 100	USD 125
Students	USD 75	USD 110
Accompanying Person	USD 120	USD 150

Online Payment link: [visit the conference website](https://www.ssame.org.in)

International Conference on “Smart, Sustainable & Advanced Materials in Engineering”

SSAME 2026

13th and 14th November 2026.

THEME:

Materials Intelligence for Smart, Sustainable and Resilient Engineering Systems



North Eastern Regional Institute of Science and Technology

Deemed to be University u/s 3 of the UGC Act, 1956
Under the Ministry of Education, Govt. of India
Nirjuli (Itanagar), Arunachal Pradesh – 791109



www.ssame.org.in

ABOUT SSAME 2026

The Departments of Civil and Mechanical Engineering, North Eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Arunachal Pradesh-an institution deemed to be a University under Section 3 of the UGC Act, 1956 and functioning under the Ministry of Education, Government of India, propose to organize a Two-Day International Conference on “Smart, Sustainable & Advanced Materials in Engineering” on 13th and 14th November 2026.

The conference aims to provide a premier international platform for the exchange and dissemination of cutting-edge research, innovative ideas, and technological advancements in the broad domain of engineering materials. Emphasis will be placed on smart, sustainable, and advanced materials that are shaping the future of civil, mechanical, and allied engineering disciplines. The event seeks to foster interdisciplinary dialogue and global academic collaboration while addressing pressing challenges related to sustainability, resilience, digitalization, and advanced manufacturing.

The conference will bring together leading researchers, academicians, scientists, policymakers, and industry professionals from India and abroad to deliberate on emerging trends, novel methodologies, and real-world applications of advanced materials in infrastructure, manufacturing, energy, and environmental systems. Through keynote lectures, invited talks, technical paper presentations, and interactive sessions, the conference will encourage knowledge sharing, networking, and the development of collaborative research initiatives.

With a strong focus on themes such as intelligent geomaterials, smart civil infrastructure, additive and hybrid manufacturing, nanomaterials, data-driven materials engineering, and sustainable technologies, the conference aspires to contribute meaningfully to the advancement of engineering science and practice, while aligning with national and global priorities for sustainable development and technological innovation.

CONTACT DETAILS

SSAME 2026 Secretariat,
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TRACKS OF CONFERENCE

Proposed Conference Tracks

TRACK 1: Advanced Geomaterials, Ground Improvement & Intelligent Geotechnics

- Nanotechnology-Enabled & Sustainable Geomaterials
- Ground Improvement & Eco-Friendly Soil Technologies
- Geotechnical Behavior of Advanced Materials
- AI and Machine Learning in Materials Engineering

TRACK 2: Innovative Concrete, Pavement, Structural Materials & Smart Civil Infrastructure

- High-Performance & Functional Construction Materials
- Advanced Pavement & Transportation Materials
- Sustainable & Eco-Friendly Construction Materials
- Smart Cities & Future Urban Materials
- Sensor-Based Monitoring & Smart Infrastructure Systems

TRACK 3: Smart, Sustainable & Resilient Infrastructure Materials

- Smart & Functional Construction Materials
- Durability, Aging & Life-Cycle Performance
- Disaster-Resilient & Extreme Condition Materials
- Materials for Enhanced Traffic Safety

TRACK 4: Advanced Manufacturing, Additive Manufacturing & Hybrid Processing Technologies

- Materials for Additive Manufacturing (WAAM, SLM, DED, FDM, etc.)
- Wire Arc Additive Manufacturing (WAAM) Materials & Microstructure Optimization
- Hybrid Manufacturing & Surface Engineering Materials
- Process-Structure-Property Relationships in Advanced Manufacturing

TRACK 5: Nanomaterials, Functional Materials & Emerging Smart Materials

- Nanostructured Materials for Multifunctional Applications
- 2D Materials, Nano-Composites & Thin Films
- Functional, Bio-Inspired & Metamaterials
- Nano-Sensors, Photonic & Energy-Storage Materials

TRACK 6: Mechanical Behavior, Reliability & Failure Analysis of Engineering Materials

- Fatigue, Fracture, Wear & Corrosion Behavior
- High-Temperature Materials & Extreme Environment Performance
- Structural Integrity & Reliability Assessment
- Life Prediction Models & Experimental Characterization

TRACK 7: Materials for Energy, Environment & Sustainable Technologies

- Green Materials, Waste-to-Materials Technologies
- Energy Harvesting, Storage & Conversion Materials
- Hydrogen, Fuel Cells & Battery Materials
- Sustainable Materials for Environmental Remediation

TRACK 8: Data-Driven Materials Engineering, AI/ML, Optimization & Digital Twins

- Machine Learning & AI for Materials Discovery
- ICME (Integrated Computational Materials Engineering)
- Digital Twins, Process Modelling & Computational Simulation
- Optimization Tools for Materials & Manufacturing Processes

ADVISORY COMMITTEE

- Emeritus Prof. Arun Kumar – RMIT University, Melbourne, Australia
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Organizing Committee

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- Mr. Debabrata Das
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- Miss Mihin Rinya

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