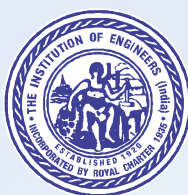


National Conference
on
Sources of Planet Energy, Environmental &
Disaster Science (SPEEDS-2026) :
Hills Ecosystem and Human Survival
on
27-28 June, 2026

Organized by



The Institution of Engineers (India)

U.P. State Centre, Lucknow-226018

Under the Aegis of ENDB

and



SCHOOL OF MANAGEMENT SCIENCES, LUCKNOW

In Association With



Dr. A.P.J. Abdul Kalam Technical University,
Uttar Pradesh, Lucknow



Venue:

SCHOOL OF MANAGEMENT SCIENCES, LUCKNOW

19th Km. Stone Kashimpur Biruha, Near Gosaiganj, Lucknow-226501 (U.P.) INDIA

www.smslucknow.ac.in

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) [IEI] is the largest multidisciplinary professional body of engineers, established in 1920 with its Headquarters located in Kolkata and incorporated under Royal Charter on 9th September, 1935 by the then His Majesty of King George V. The Royal Charter endowed the Institution with the responsibility to promote the general advancement of engineering amongst its members and persons attached to the Institution. The Institution of Engineers (India) is administered by a National Council with the President as its Head. The Institution has been serving the engineering fraternity for over a Century with its national and international presence through 125 Centres spread all over India, 6 Overseas Chapters, 6 Fora and an Organ namely Engineering Staff College of India (ESCI), Hyderabad. The Institution encompasses 15 (fifteen) engineering disciplines with a Corporate membership of over 2 lakhs. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ PhD students of Engineering Institutes & Universities. The Institution of Engineers (India) is the first professional body to represent India in several International Bodies, such as the World Mining Congress (WMC), the World Federation of Engineering Organizations (WFEO), the Commonwealth Engineers' Council (CEC), the Federation International du Beton (fib), and the Federation of Engineering Institutions of South and Central Asia (FEISCA). It also has bilateral agreements with a number of professional societies across the globe. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification.

ABOUT THE SCHOOL OF MANAGEMENT SCIENCES, LUCKNOW

Sensing the ever-growing need for competent and highly trained professionals endowed with rich business acumen, skills and aptitude to operate in the highly complex and fast-changing economic and industrial environment, the SMS Society, a philanthropic social organization, registered under the Societies Registration Act, 1860, established an autonomous nonprofit educational center, School of Management Sciences (SMS), in Varanasi in the year 1995 avowed with a mission of imparting highly innovative management, computer and other technical education in the eastern part of India, which happened to be the need of the hour keeping in pace with the country's economy heading fast towards globalization. Aware of its mission of producing highly competent Management and Technology graduates, the SMS Society established another center of excellence at Lucknow in the year 2008. School of Management Sciences, Lucknow has received A+ grade accreditation from NAAC - National Assessment and Accreditation Council (An Autonomous Institution of the University Grants Commission) Ministry of HRD Govt. of India in a very short span of 15 years. SMS Lucknow has also been awarded the prestigious ISO. 9001:2015 Quality Management Systems certification by UAF (United Accreditation Foundation). The ISO 9001:2015 certification means that the quality of the Institute's processes and standards are on par with International management systems. It also means that SMS Lucknow has instituted quality assurance methods in teaching, research and support services, and have built procedures for its maintenance. SMS Lucknow currently offers the Bachelor of Technology (B.Tech) programme and Masters of Business Administration (MBA) approved by AICTE and affiliated to Dr. A. P. J. Abdul Kalam Technical University. SMS Lucknow has added the Bachelor of Business Administration (BBA), Bachelor of Computer Application (BCA), Bachelor of Commerce (B.Com) and Bachelor of Commerce (Hons.), & B.Voc (Software Development) affiliated to Lucknow University and Diploma in Engineering Programs (Mechanical, Civil, Computer Science and Electrical) affiliated to Board of Technical Education have been added. SMS Lucknow also is recognised under section 2(f) & 12(B) of UGC Act of 1956.

BRIEF ABOUT CONFERENCE :

SPEEDS-2026 is an interdisciplinary conference that explores the critical interconnections between planetary energy systems, hill and mountain ecosystems, environmental stability, disaster science, and human survival. Hill regions function as the ecological backbone of the planet—regulating climate, conserving biodiversity, sustaining water resources, and supporting millions of livelihoods. Yet, these fragile systems are under growing pressure from climate change, unplanned development, resource exploitation, and recurring natural hazards.

The conference foregrounds the urgent need for responsible energy use and environmentally sensitive strategies tailored to the unique vulnerabilities of mountain terrains. The conference emphasizes sustainable and renewable energy solutions, ecological conservation, and disaster resilience as mutually reinforcing priorities. It addresses emerging risks such as landslides, floods, earthquakes, glacial lake outburst floods, and forest fires, highlighting the role of scientific risk assessment, early-warning systems, resilient infrastructure, and climate adaptation. Equally important is the human dimension—community livelihoods, water and food security, health, and cultural continuity—where participatory governance and community-centric development are central to long-term resilience.

By integrating modern science with traditional ecological knowledge, SPEEDS-2026 aims to foster cross-disciplinary collaboration among scientists, engineers, environmentalists, social scientists, and policymakers. The conference seeks to translate evidence-based research into actionable policies and practices that ensure environmental sustainability, disaster preparedness, and dignified human well-being in hill and mountain regions, contributing to a safer and more resilient future for generations to come.



KEY THEMES:

SPEEDS-2026 focuses on the inseparable relationship between planetary energy sources, hill ecosystems, environmental balance, disaster science, and human survival. Hill and mountain regions act as the ecological backbone of the planet, regulating climate, conserving biodiversity, sustaining water systems, and supporting millions of human lives. However, these fragile ecosystems are increasingly threatened by unsustainable development, climate change, resource exploitation, and recurring natural disasters.

At the core of this conference lies the understanding that planetary energy—both natural (solar, wind, hydro, geothermal) and ecological energy embedded in forests, soils, and water cycles—must be harnessed responsibly. Hill ecosystems are highly sensitive to environmental disturbances; even minor disruptions can trigger large-scale consequences such as landslides, floods, droughts, biodiversity loss, and human displacement. The conference therefore emphasizes the need for scientifically informed, region-specific, and sustainable energy and environmental strategies.

Another major dimension of the theme is environmental and disaster science. Hill regions are increasingly vulnerable to earthquakes, cloudbursts, glacial lake outburst floods (GLOFs), forest fires, and slope failures. Understanding disaster dynamics, early-warning systems, risk mapping, and resilient infrastructure is essential for safeguarding both ecosystems and human settlements. The conference seeks to integrate traditional ecological knowledge with modern scientific tools to strengthen disaster preparedness and climate adaptation.

Human survival in hill regions depends not only on physical safety but also on livelihood security, water availability, food systems, health, and cultural continuity. The theme highlights the importance of community-centric development, where local populations are active stakeholders in conservation, energy generation, and disaster risk reduction. Sustainable tourism, eco-friendly infrastructure, renewable energy adoption, and participatory governance are viewed as pathways toward long-term resilience.

Overall, **SPEEDS-2026** envisions a holistic framework where energy security, environmental sustainability, disaster resilience, and human well-being are addressed together. By fostering interdisciplinary dialogue among scientists, engineers, environmentalists, social scientists, and policymakers, the conference aims to contribute meaningful solutions for protecting hill ecosystems while ensuring a safe, sustainable, and dignified future for present and coming generations.

SUB THEMES

- Sustainable & renewable energy in mountain terrains
- Hill ecology, biodiversity conservation, and water security
- Climate change impacts, landslides, floods, and earthquakes
- Environmental governance, community resilience, and livelihoods
- Science–policy integration for disaster preparedness and mitigation

• OBJECTIVES

- Promote evidence-based strategies for protecting hill ecosystems
- Foster cross-disciplinary research and collaboration
- Translate science into actionable policies for sustainable development

Equally critical are our oceans, which act as a crucial carbon sink, absorbing approximately 30 percent of human-generated carbon dioxide emissions. However, rampant marine pollution, primarily stemming from land-based sources, threatens marine ecosystems' health and resilience. Ocean acidification, exacerbated by carbon absorption, poses profound risks to marine life and ecosystems, underscoring the urgent need for concerted action to curb pollution and mitigate oceanic degradation.

Thus, addressing the complex challenges posed by climate change demands a comprehensive and integrated approach. By prioritizing renewable energy deployment, ecosystem preservation, and sustainable resource management, we can foster climate resilience, mitigate environmental degradation, and secure a sustainable future for generations to come. It is imperative that governments, communities, businesses, and individuals collaborate synergistically to enact meaningful change and chart a course towards a more sustainable and resilient future.

THEME OF CONFERENCE: SOURCES OF PLANET ENERGY, ENVIRONMENTAL & DISASTER SCIENCE (SPEEDS): HILLS ECOSYSTEM AND HUMAN SURVIVAL

Theme Areas of Discussion:

- **Sustainable & Renewable Energy in Mountain Terrains**
Promotes decentralized renewable energy systems ensuring clean access, ecosystem protection, emissions reduction, and resilient mountain development.
- **Hill Ecology, Biodiversity Conservation, and Water Security**
Focuses on conserving biodiversity, restoring ecosystems, protecting watersheds, and ensuring sustainable water security in mountains.
- **Climate Change Impacts, Landslides, Floods, and Earthquakes**
Addresses climate hazards through risk assessment, early-warning systems, resilient infrastructure, and community preparedness in mountains.
- **Environmental Governance, Community Resilience, and Livelihoods**
Emphasizes inclusive governance, community participation, sustainable livelihoods, cultural preservation, and environmental sustainability in hill regions.
- **Science–Policy Integration for Disaster Preparedness and Mitigation**
Integrates science, technology, and policy for data-driven planning, disaster preparedness, and climate-resilient development in mountains.
- **Other Emerging area of Science Technology & Management (Connected with Theme)**
It include Artificial Intelligence, Biotechnology, Data Science, Robotics, and Sustainable Development. These fields focus on innovation, improving efficiency, solving global challenges, and creating advanced solutions for industries and society.

CALL FOR PAPERS

Technical papers on the above sub themes and related topics are invited for presentation in the different technical sessions of the conference.

The authors are requested to submit online extended abstract in IEEE template (not exceeding two A-4 size pages typed in 12pt. Times New Roman font with double spacing) of their original works latest by **16th June, 2026**. Authors are requested to send a copyright form duly signed by author(s) along with the abstract submitted online at smsspeeds@smslucknow.ac.in

IMPORTANT DATES

Last date of Receipt of Abstract	:	10 th June, 2026
Acceptance of Abstract	:	11 th June, ;2026
Submission of Final Paper	:	14 th June, 2026
Acceptance of Final Paper	:	16 th June, 2026
Submission of Copyright	:	18 th June, 2026
Conference (SPEEDS-2026)	:	27-28 June, 2026

REGISTRATION FEE DETAILS

The registration fee proposed to be paid by the delegates, including authors of papers, for participation in the conference is as follows;

	*Early Bird	**Upto the last date of Registration
1. Industry Personnel	₹ 2500	₹ 3000
2. Academicians	₹ 1250	₹ 1500
3. Research Scholar/Students	₹ 950	₹ 1250
4. Sponsored by Departments	₹ 2500	₹ 2500
*Early Bird (Registration)	:	13 th June, 2026
**Last Date of Registration	:	20 th June, 2026

ADVERTISEMENT IN PROCEEDING

A proceeding detailing glimpses of the conference and the abstracts of the papers selected for presentation shall also be released on the occasion. A copy of souvenir will be given to all participating delegates and sponsors.

Advertisements are invited from industries / individuals, retailers etc for publication in the proceeding. The tentative details of the advertisement rates are as under:

• Back Cover page (coloured)	₹ 50,000/-	
• Inside of front and back cover page (coloured)	₹ 30,000/-	
• Full page (coloured/black & white)	₹ 20,000/-	₹ 10,000/-
• Half page (coloured/black & white)	₹ 10,000/-	₹ 5,000/-

CONFERENCE SPONSORSHIP

Sponsorships are invited for the various conference events from organisations / industries etc. wishing to be a part of the event. The details of sponsorship are as under:-

• Sponsor	₹ 1,00,000/-
• Co-Sponsor	₹ 75,000/-
• Sponsor for Registration kit	₹ 50,000/-
• Sponsor for Proceedings	₹ 50,000/-
• Sponsor for Inaugural Session	₹ 50,000/-
• Sponsor for Banquet	₹ 50,000/-
• Sponsor of Various Technical Sessions	₹ 20,000/-

PAYMENT MODE

All payments are to be made through crossed Demand Draft/at par Cheque, As Account payee

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“School of Management Sciences, Lucknow” Payable at Lucknow.

A/c No. : 3926002105004563
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