

The Institution of Engineers (India)

A Century of Service to the Nation

All India Seminar

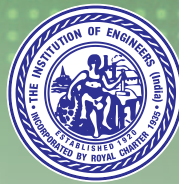
on

**Sources of Planet Energy, Environmental &
Disaster Science (SPEEDS) : Climate Justice and Equity**

on

22-23 June, 2024 at Lucknow

Organized by



The Institution of Engineers (India)

U.P. State Centre, Lucknow

Under the Aegis of ENDB, IEI

in association with



SCHOOL OF MANAGEMENT SCIENCES, LUCKNOW



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



**Council of Science &
Technology, U.P.**

Department of Science and
Technology, Govt. of U.P.

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) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 0.8 million. Established in 1920, with its headquarter Kolkata, IEI has served the engineering fraternity close to a century. During this period of time, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities.

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.

IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

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 Accrediation 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 in Bussiness 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), Bachelor of Science (BSc)-Maths & B.Voc, 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.

THEME OF SEMINAR

Sources of Planet Energy, Environmental & Disaster Science (Speeds): Climate Justice and Equity

ABOUT THE THEME

In our rapidly changing world, the impacts of climate change are becoming increasingly evident, manifesting in the form of heightened frequency and severity of extreme weather events. From scorching heatwaves and prolonged droughts to devastating floods and intense tropical cyclones, communities worldwide are grappling with the multifaceted repercussions of a warming planet. These climatic disruptions exacerbate existing challenges, amplifying water management issues, diminishing agricultural productivity, compromising food security, and posing significant threats to public health. Moreover, they wreak havoc on critical infrastructure and disrupt the delivery of essential services such as water, sanitation, education, energy, and transportation, exacerbating vulnerabilities and undermining socio-economic stability.

Central to the climate crisis is the unchecked proliferation of greenhouse gas emissions, primarily driven by the continued reliance on fossil fuels. Without concerted efforts to curb emissions and transition towards sustainable energy alternatives, the global climate outlook remains grim. Recognizing the imperative for action, there is a growing emphasis on enhancing energy efficiency and accelerating the adoption of renewable energy sources. By embracing renewable technologies such as solar, wind, hydropower, and biofuels, we can mitigate climate change impacts while simultaneously reducing the risk of disasters and enhancing resilience.

Furthermore, the preservation and restoration of ecosystems play a pivotal role in climate change mitigation and adaptation strategies. Terrestrial ecosystems offer a myriad of benefits, serving as sources of raw materials, food, and energy, while also providing crucial ecosystem services. These include carbon sequestration, soil preservation, biodiversity conservation, water purification, and erosion control, all of which contribute to disaster risk reduction and climate regulation. Sustainable management of forests, prevention of land degradation, combatting desertification, and biodiversity conservation are paramount in safeguarding these vital ecological functions.

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.

SUB THEMES

- Ensure access to affordable, reliable, sustainable, and modern energy for all.
- Take urgent action to combat climate change and its impacts.
- Life Below Water.
- Life on Land.
- Others.

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 May 05, 2024. Authors are requested to send a copyright form duly signed by author(s) along with the abstract submitted online at smsspeeds@smslucknow.ac.in in hemantsingh@smslucknow.ac.in

IMPORTANT DATES

Last date of Receipt of Abstract	:	05 May, 2024
Acceptance of Abstract	:	10 May, 2024
Submission of Final Paper	:	15 May, 2024
Acceptance of Final Paper	:	20 May, 2024
Submission of Copyright	:	25 May, 2024
Seminar (SPEEDS-2024)	:	22-23, June, 2024

REGISTRATION FEE DETAILS

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

	*Early Bird	**Upto the last date of Registration
1. Industry Personnel	₹ 2500	₹ 3000
2. Academicians	₹ 1250	₹ 1500
3. Students	₹ 500	₹ 1000
4. Sponsored by Departments	₹ 2500	₹ 2500

***Early Bird (Registration) :** 31 May, 2024
****Last Date of Registration :** 05 June, 2024

ADVERTISEMENT IN SOUVENIR

A souvenir detailing glimpses of the seminar 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 Souvenir. 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/-

SEMINAR SPONSORSHIP

Sponsorships are invited for the various seminar events from organisations / industries etc. wishing to be apart 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	₹ 1,00,000/-
• Sponsor for Inaugural Session	₹ 50,000/-
• Sponsor for Banquet	₹ 50,000/-
• Sponsor of Various Technical Sessions	₹ 25,000/-

PAYMENT MODE

All payments are to be made through crossed Demand Draft/at par Cheque, As Account payee DD (No. dated) for Rs. draw in favour of "School of Management Sciences, Lucknow" Payable at Lucknow.

A/c No.	:	3926002105004563
Bank Name	:	Punjab National Bank of India
IFSC Code	:	PUNB0392600

SEMINAR SPONSORSHIP

Sponsorships are invited for the various seminar events from organisations / industries etc. wishing to be apart 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	₹ 1,00,000/-
• Sponsor for Inaugural Session	₹ 50,000/-
• Sponsor for Banquet	₹ 50,000/-
• Sponsor of Various Technical Sessions	₹ 25,000/-

PAYMENT MODE

All payments are to be made through crossed Demand Draft/at par Cheque, As Account payee DD (No. dated) for Rs. draw in favour of "School of Management Sciences, Lucknow" Payable at Lucknow.

A/c No. : 3926002105004563
Bank Name : Punjab National Bank of India
IFSC Code : PUNB0392600

NATIONAL ADVISORY COMMITTEE

CHAIRMAN : Dr. G. Ranganath, FIE, President, IEI
CO-CHAIRMAN : Dr. V. Karthikeyan, Chairman, ENDB, IEI
CONVENER : Dr. Pramod Kumar Singh-9838642717
MEMBERS : Dr. Nutan Kumar Dash, FIE, Vice President
Mr. Sukhvir Singh Mundi, FIE, Vice President
Prof. Dr. Girish Shrikisan Mundada, Chairman, CATE, IEI
Er. Ajoy Kumar Sinha, Member, ENDB, IEI
Er. Jagdish Chand Singhal, Member, ENDB, IEI
Er. Sanjay Sen, Member, ENDB, IEI
Dr. Santosh Kumar Singh, Member, ENDB, IEI
Er. Vijay Pratap Singh, FIE, Hon. Secretary, IE(I), UP State Centre

CHIEF PATRON : Prof. J.P. Pandey, Hon'ble Vice Chancellor,
Dr. A.P.J. Abdul Kalam Tehnical University, Uttar Pradesh, Lucknow
PATRONS : Dr. M.P. Singh, Executive Secretary, School of Management Sciences
Shri Sharad Singh, Secretary & CEO, School of Management Sciences
SEMINAR CHAIR : Prof. (Dr.) Ashish Bhatnagar, Director-SMS, Lucknow
SEMINAR CO-CHAIR : Prof. (Dr.) Bharat Raj Singh, Director General (Technical) SMS, Lucknow
CO-COORDIAN TOR : Prof. (Dr.) Dharmendra Singh, Associate Director, SMS, Lucknow

ORGANIZING COMMITTEE

CHAIRMAN : Er. Satya Prakash, FIE, Chairman IE(I), UP State Centre
ORGANIZING SECRETARY : Er. Vijay Pratap Singh, FIE, Hon. Secretary, IE(I), UP State Centre
Er. V.B. Singh, FIE, Past National Vice President, IE(I) Kolkatta
Er. Masarrat Noor Khan, FIE, IP Chairman, IE(I), UP State Centre
Er. S.C. Mehra, FIE, Member SCC, IE(I), UP State Centre
Er. K.P. Tripathi, FIE, Member SCC, IE(I), UP State Centre
Er. Sudhir Kumar Verma, FIE, Member SCC, IE(I), UP State Centre
Er. Anil Gupta, MIE, Member SCC, IE(I), UP State Centre
Er. Rama Kant Tiwari, FIE, Member SCC, IE(I), UP State Centre
Er. Navin Kapoor, FIE, Member SCC, IE(I), UP State Centre
Dr. Jagdish Singh, Director Admission & Admin, SMS, Lucknow
Mr. Surendra Srivastava, G.M. (Corp. Rel.), SMS, Lucknow
Prof. (Dr.) Amarjeet Singh, HOD-EE, SMS, Lucknow
Dr. Ajay Singh Yadav, HOD-HAS, SMS, Lucknow
Dr. Asha Kulshreshtha, HOD-CE, SMS, Lucknow
Mr. Sunit Mishra, HOD-CS, SMS, Lucknow
Mr. Amod Pandey, Principal-Diploma, SMS Lucknow
Mr. Mrityunjay Kumar HOD-AIDS, SMS, Lucknow
Mr. Pankaj Yadav, HOD-ME, SMS Lucknow
Mr. Rahul Awasthi, DGM-IT, SMS Lucknow
Mr. Sujata Sinha, Assistant Professor-HAS, SMS Lucknow
Dr. Shrinkhala Srivastava, Coordinator-HAS, SMS, Lucknow
Mr. Ugrasen Singh, Admin Officer, SMS, Lucknow

TECHNICAL COMMITTEE

CHAIRMAN : Dr. Jaswant Singh, FIE, IP Hon. Secretary IE(I), UP State Centre
CONVENER : Dr. Pramod Kumar Singh-9838642717
MEMBER : Dr. Hemant Kumar Singh-8299681662
Mr. Anoop Kumar Singh-8004490333

CONTACT PERSON : Er. Vijay Pratap Singh, FIE, Hon. Secretary, IE(I), UP State Centre
Mob : 9415402815, E-mail : upsc@ieindia.org
The Institution of Engineers (India), U.P. State Centre, Engineers' Bhawan,
River Bank Colony, Lucknow

Registration Form

**All India Seminar
on
Sources of Planet Energy, Environmental &
Disaster Science (SPEEDS) : Climate Justice and Equity
on
22-23 June, 2024**

**The Institution of Engineers (India)
U.P. State Centre, Lucknow**

Name: (Block Letters).....

Organisation/ Institution:.....

Designation:

Branch:

.....

Mobile E-mail :

I/We enclosed a Cash/NEFT details for Rs.transaction ID No.....

Dated :.....

.....

Signature