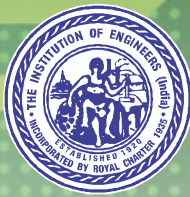


All India Seminar
on
Sources of Planet Energy, Environmental &
Disaster Science (SPEEDS) : Climate Justice and Equity
on
29-30 June, 2024

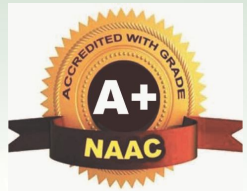
Organized by



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



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) [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 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.

SEMINAR : AN OVERVIEW

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.

THEME OF SEMINAR: SOURCES OF PLANET ENERGY, ENVIRONMENTAL & DISASTER SCIENCE (SPEEDS): CLIMATE JUSTICE AND EQUITY

Theme Areas of Discussion:

- **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 June 07, 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 or hemantsingh@smslucknow.ac.in

IMPORTANT DATES

Last date of Receipt of Abstract	:	07 June, 2024
Acceptance of Abstract	:	10 June, 2024
Submission of Final Paper	:	12 June, 2024
Acceptance of Final Paper	:	15 June, 2024
Submission of Copyright	:	16 June, 2024
Seminar (SPEEDS-2024)	:	29-30, 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.**

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