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Prof. (Dr.) K. Hansraj, Department of ME, DEI, Agra.

Prof. (Dr.) Jagbir Singh, Director (Architecture) Amity University, Lucknow.

KEYNOTE SPEAKERS

Prof. (Dr.) Jyotsna Singh - Director, Centre for Renewable Energy, Lucknow University, Lucknow

Prof. (Dr.) P.K. Bharti - HOD (ME), Integral University, Lucknow

Prof. (Dr.) Niraj Gupta - Professor (ME), SRMU, Barabanki.

Prof. (Dr.) Venkatesh Dutta - Professor, SES, BBAU, Lucknow.

Shri Tariq Hasan Naqvi - Chairman, Solar & EV, IIA, Lucknow

IMPORTANT DATES

Last date of Receipt of Abstract : 15th March 2023

Acceptance of Abstract : 16th March 2023

Submission of Final Paper : 20th March 2023

Seminar (SPEEDS-2022-23) : March 26, 2023

ORGANIZING COMMITTEE

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: **Dr. Jaswant Singh**, Hon. Secretary IE(I), UP State Centre

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: **Mr. Anoop Kumar Singh**, Assistant Prof., SMS Lucknow

Co-Coordinator : **Dr. Ved Kumar**, Assistant Professor, SMS Lucknow

ADDRESS FOR CORRESPONDENCE

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Er. Masarrat Noor Khan, FIE

Mobile: 9412509733; Email: masarratnoorkhan@gmail.com

Past Chairman

Er. R.K. Trivedi, FIE

Mob : 9415900252, Email : rajeshttrivedi4@gmail.com

Honorary Secretary

Dr. Jaswant Singh, FIE

Mob: 9415922832; Email: jaswant_singh_us@yahoo.com

Office: upsc@ieindia.org

Convener

Prof. (Dr.) Bharat Raj Singh, FIE

Mob: 9935025825 E-mail brsinghko@yahoo.com

Co-Convener

Prof. (Dr.) Pramod Kumar Singh

Dean Student Welfare, SMS Lucknow

Mob: 9838642717 E-mail pk Singh@smslucknow.ac.in

One Day National Seminar on

Sources of Planet Energy, Environmental & Disaster Science : Impacts of Glacier Melting & Climate Change (SPEEDS-2022-23)

(March 26, 2023)

Organized by



The Institution of Engineers (India)

U.P. State Centre, Lucknow-226018

Under the Aegis of ENDB

in association with



**SCHOOL OF MANAGEMENT SCIENCES
Lucknow**

&

**MNNIT Alumni Association
Lucknow Chapter**



Information Brochure

Venue:

The Institution of Engineers (India)

Uttar Pradesh State Centre, Engineers Bhawan River Bank Colony, Lucknow-226018

ABOUT IEI

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 SMS GROUP OF INSTITUTIONS (INDIA)

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 established School of Management Sciences (SMS), at Varanasi in the year 1995. SMS Varanasi has been listed in the top 50 B-Schools in India.

In the year 2008 SMS Society expanded its base to the capital of U.P., Lucknow. SMS Lucknow bags **Education Leadership Award 2019** during Uttar Pradesh Education Leadership Award function organised by World Education Congress in association with ABP News during the award function held at Hotel Taj on 1st October 2019. SMS Lucknow was awarded the **"Best Engineering College in North India"** under the Excellence in Education, Training & Development Awards 2018 organized by ASSOCHAM in Ranchi on 28th of February 2018.

SMS Lucknow was declared ranked at 1st position on 17th May 2018 among all 615 colleges (only 43 participating colleges) of Dr. APJ Abdul Kalam Technical University, Lucknow for Innovation & Start-up activities carried out by the Institute during the year under the Dr. Kalam Centre - Innovation Incubation & Startup (KC-IIS) while conducting Parikrama – 7th Edition under TEQUIP III. SMS Lucknow received this award on 27th July 2018 at an award ceremony organized by K-CIIS of AKTU, at New Delhi.

SMS Lucknow was conferred the **"ASSOCHAM National Leadership Excellence Award in Technical Education (North)"** by the Governor of Jharkhand at the National Summit on Leadership Excellence Awards ceremony 2018, at Ranchi on 26th October 2018.

SMS Group of Institutions received the "Brand Leadership Award 2018" for its significant contribution in the field of Education. The Award was received by **Shri Sharad Singh, CEO & Secretary**, SMS at the UP Brand Leadership Award 2018 ceremony organized by ABP News on 18th Sept 2018 at Hotel Renaissance, Lucknow.

The School of Management Sciences, Technical Campus, Lucknow has been declared by IIT-Bombay as a most vibrant 'Remote & Resource Center' (RC-1247) for empowerment of faculty & staff members through training and workshops.

SMS Lucknow offers AICTE approved PGDM, B.Tech (CS, AI(DS), AI(ML), IOT, EN, ME, CE) & MBA programmes affiliated to AKTU, Lucknow. BBA, BCA, B.Com., B.Com. (Hon.), B.Voc, B.Sc. affiliated to Lucknow University and Polytechnic courses in (CE, CS, EE, ME) affiliated to Board of Technical Education, Uttar Pradesh.

Website: www.smslucknow.ac.in

SEMINAR : AN OVERVIEW

Since the early 1900s, many glaciers around the world have been rapidly melting. Human activities are at the root of this phenomenon. Specifically, since the industrial revolution, carbon dioxide and other greenhouse gas emissions have raised temperatures, even higher in the poles, and as a result, glaciers are rapidly melting, calving off into the sea and retreating on land. Even if we significantly curb emissions in the coming decades, more than a third of the world's remaining glaciers will melt before the year 2100.

Melting glaciers add to rising sea levels, which in turn increases coastal erosion and elevates storm surge as warming air and ocean temperatures create more frequent and intense coastal storms like hurricanes and typhoons. Specifically, the Greenland and Antarctic ice sheets are the largest contributors of global sea level rise. Right now, the Greenland ice sheet is disappearing four times faster than in 2003 and already contributes 20% of current sea level rise.. If emissions continue to rise, the current rate of melting on the Greenland ice sheet is expected to double by the end of the century. Alarmingly, if all the ice on Greenland melted, it would raise global sea levels by 20 feet.

Today, the Arctic is warming twice as fast as anywhere on earth, and the sea ice there is declining by more than 10% every 10 years. As this ice melts, darker patches of ocean start to emerge, eliminating the effect that previously cooled the poles, creating warmer air temperatures and in turn disrupting normal patterns of ocean circulation. The glacial melt we are witnessing today in Antarctic and Greenland is changing the circulation of the Atlantic Ocean and has been linked to collapse of fisheries in the Gulf of Maine and more destructive storms and hurricanes around the planet.

What happens in these places has consequences across the entire globe. As sea ice and glaciers melt and oceans warm, ocean currents will continue to disrupt weather patterns worldwide. Industries that thrive on vibrant fisheries will be affected as warmer waters change where and when fish spawn. Coastal communities will continue to face billion-dollar disaster recovery bills as flooding becomes more frequent and storms become more intense. People are not the only ones impacted.

Theme - **Sources of Planet Energy, Environmental & Disaster Science: Impact of Glacier Melting & Climate Change**

Sub Themes:

- **Glacier Melting on Arctic Sea**
- **Glacier Melting on Antartica**
- **Glacier Melting on Himalayas**
- **Global Warming**
- **Climate Change**
- **Disaster Management**
- **Waste Management**
- **Renewable Energy**
- **Others (related to climate and disaster)**

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 should send two copies of extended abstract in IEEE template (not exceeding two A-4 size pages typed in 12pt. Times Roman font with double spacing) of their original works latest by **March 15, 2023**. Authors are requested to send a copyright form duly signed by author(s) along with the abstract on upsc@ieindia.org

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;

Registration Charges		
	*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) : March 17, 2023**

****Last Date of Registration : March 25, 2023**

REGISTRATION FORM

To
The Convener

Dear Sir,
Please enroll the following executive/officer/scholar of our organization/institution as delegates for participation/paper presentation in the Seminar.

Name, Designation, Address and Ph./Mob. Nos.

1.....
2.....

As Account payee DD (No. dated) for Rs. in favour of The Institution of Engineers (India), U.P. State Centre, Lucknow towards registration fee of the above-mentioned delegates is enclosed.

Yours truly,

For Online Bank NEFT Details:

Bank : Union Bank of India
Account Name : 'The Institution of Engineers (India), U.P. State Centre'
Account No. : 353302010009817
IFSC CODE : UBIN0535338

*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)	Rs. 50,000/-
• Inside of front and back cover page (coloured)	Rs. 30,000/-
• Full page (coloured/black & white)	Rs. 20,000/-
• Half page (coloured/black & white)	Rs. 10,000/-

***Note: The Cheque/DD/NEFT may be sent as Bank details. 'The Institution of Engineers (India), U.P. State Centre' Payable at Lucknow, Bank : Union Bank of India, A/c No.353302010009817, IFSC CODE:UBIN0535338, Micro Code : 226026006**

*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	Rs. 1,00,000/-
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• Sponsor for Registration kit	Rs. 50,000/-
• Sponsor for Proceedings	Rs. 1,00,000/-
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