

INSIC-2023

SECOND ANNOUNCEMENT



Indian Nuclear Society's International Conference

INSIC-2023

Nuclear For Clean Energy Transition

December 12-15, 2023

DAE Convention Centre, Anushaktinagar

Mumbai - 400094, India



Web : www.insic2023.org

Email : insic2023@gmail.com

ABOUT THE CONFERENCE

Nuclear energy is an inevitable choice to achieve deep decarbonisation, since it is the largest source of base load power with minimum carbon footprint. This energy transition is critical to mitigate the climate change and to limit the rise in the global average temperature to 1.5°C. Sustainable scenario for year 2050 envisages three-to four-fold increase in nuclear power generation which along with other clean energy sources can achieve net zero emission target leading to a sustainable energy future.

INSIC-2023 aims to bring together global experts from industry, R&D organisations and academia to deliberate on the directions for decarbonisation with nuclear as an essential foundation of this transition.

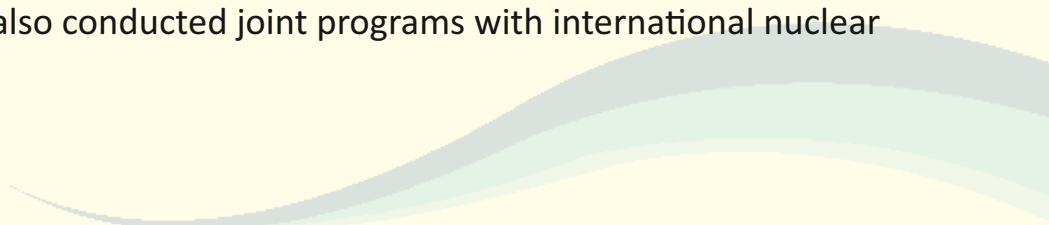
The conference will mainly consist of invited talks by experts and industry leaders, contributory posters, panel discussions and industrial exhibition.

ABOUT INDIAN NUCLEAR SOCIETY

Indian Nuclear Society (INS) is a registered society of nuclear professionals and boasts membership of over 5000 life members and 70 corporate members. It was established in 1988 with an aim to promote and effectively utilise Nuclear Science and Technologies for the benefit of society while maintaining international safety standards.

Since 1989, INS has been organizing its Annual Conferences on the topics of current interest in nuclear science and technology. INS holds seminars, webinars, and poster competitions designed for outreach programs. It brings out quarterly newsletter highlighting the research and development in nuclear science & technology in India.

INS website is enriched with information about various topics of nuclear science and engineering in the form of recorded lectures series in simple language and presentation made especially for common man desirous to know about nuclear. INS has also conducted joint programs with international nuclear societies in the past.



NUCLEAR POWER CORPORATION OF INDIA LIMITED (NPCIL)

Nuclear Power Corporation of India Limited (NPCIL) is a Public Sector Enterprise under the administrative control of the Department of Atomic Energy (DAE), Government of India.

NPCIL is responsible for design, construction, commissioning and operation of nuclear power reactors. NPCIL is presently operating 23 commercial nuclear power reactors with an installed capacity of 7480 MW. The reactor fleet comprises two Boiling Water Reactors (BWRs), 19 Pressurised Heavy Water Reactors (PHWRs) including one 100 MW PHWR at Rajasthan (owned by DAE, Government of India) and two VVER reactors of 1000 MW capacity each. Kakrapar Atomic Power Project (KAPP) Unit 3, the first indigenous 700 MWe PHWR of the country, commenced commercial operation on June 30, 2023.

NPCIL is implementing a large expansion program to address the energy security of the country & the climate change goals. NPCIL has 9 more reactors under construction with a total capacity of 7500 MW. Pre-project activities at new sites, which were accorded 'in principle' approval by the Government of India, have been initiated to enable early launch of projects at these sites. Being a responsible corporate body, NPCIL conducts several activities benefitting the society under its Corporate Social Responsibility (CSR) and implements several projects related to Sustainable Development.

NPCIL - FUELLING A POWERFUL FUTURE

At COP-26, India announced to the world 5 commitments or 'amrit tatva' that India would meet to tackle climate change-related issues.

Commitment 1: By 2030, India will increase its non-fossil capacity to 500 GW.

Commitment 2: By 2030, India will fulfil 50 per cent of its energy requirements with renewable energy.

Commitment 3: India will reduce one billion tonne of the total projected carbon emission between now and 2030.

Commitment 4: By 2030, India will reduce its economy's carbon intensity to less than 45%.

Commitment 5: India will achieve the target of net zero emissions by 2070.

TOPICS OF THE CONFERENCE

- Road to net zero emission and the **energy mix** for the future
- Growth of Generation III and III+ nuclear reactors - accelerated **growth and cost** reduction
- **Advanced nuclear reactors: SMR**, HTGCR, MSBR etc
- **Life extension** and management of aging nuclear reactors
- **Nuclear hydrogen**
- **Emerging** technologies in support of nuclear power deployment, security and safety
- **Regulatory** framework and challenges for emerging nuclear technologies
- **Industry** preparedness and participation
- **Policies and public** acceptance of nuclear energy

TABLE: TENTATIVE PROGRAM

(MAY CHANGE SUBJECT TO EMERGING THEME OF THE PROGRAM)

Timing	Day-1	Timing	Day-2	Day-3	Day-4
10-11	Inauguration	10-11	Nuclear hydro	Regulation	Emerging
11-12	High Tea	11-12	Growth/cost	Growth/cost	Industry
12-13	Energy mix	12-13	Tea	Tea	Tea
13-14	Emerging	13-14	SMR & Adv NPP	SMR & Adv NPP	Life extension
14-15	Lunch	14-15	Lunch	Lunch	Lunch
15-16	Industry Perception	15-16	Industry (SMR)	Life extension	Policy and public
16-17	@P1	16-17	Emerging	Energy Mix	@P4
17:00	Tea	17-18	@P2	@P3	Conf. Round off
		18:00	Tea	Tea	Tea

@P1: Why Nuclear and RE and not RE alone for Green Energy Transition

@P2: Reducing the gestation period of plant construction for achieving net zero by 2070

@P3: Emerging Nuclear Technologies in support of Nuclear power.

@P4: Evolving Nuclear Policy to address liability & private participation



INS Annual Conference INSAC-2022
“Nuclear Power Towards Green Energy in India”

ADVISORY COMMITTEE

Anil Kakodkar.....	HBNI
Bhasin Vivek	BARC
Clavero Rachna	COG
Jagatap B N	INS
Komal Kapoor	NFC
Kumar Anurag	ECIL
Mohanty A K	DAE
Parab Anil	L & T
Pathak B C	NPCIL
Shukla D K	AERB
Suresh Kumar K V	BHAVINI



ORGANISING COMMITTEE:

Jagatap B.N.	INS	Chairman
Suresh Babu P.A.	NPCIL	Co-Chair
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Jayakumar K.	BARC	Member
Mishra P.K.	NPCIL	Member
More N.S.	NPCIL	Member
Murthy V.S.N.	INS	Member
Nayak A.K.	DAE	Member
Priyadarsini K.I.	INS	Member
Rajan M.G.R.	INS	Member
Rao P.K.	INS	Member
Verma Mayank	AERB	Member

THE VENUE OF THE CONFERENCE



Actual View of DAE Convention Centre in Anushaktinagar, Mumbai - 400094
During December, the climate in Mumbai will be pleasant and most suited for international meets.

HOW TO REGISTER AND PARTICIPATE?

People desirous of participating in INSIC-2023, need to register by paying registration fee that includes taxes. Registered participants (professionals, industry, academia, organisations, professionals societies and bodies general public) desirous of contributing their technical work may do so in the form of posters which will be on display in the venue of the conference. The template of the poster will be provided by INSIC-2023.

REGISTRATION FEES

** Inclusive of all taxes*

Indian Delegates

** Excluding Accommodation charges*

General	INR 5900
INS Life Members	INR 3540
INS Life Members (Senior Citizens)	INR 2360
Students	INR 2360

Overseas Delegates

With Accommodation for 4 Days	USD 800
Without Accommodation	USD 200
One Accompanying Person	USD 200

INSTRUCTIONS FOR ABSTRACT SUBMISSION

All Abstract submissions should conform exactly to the format of the template available in the website.

- Please use the editable template by copying and pasting or by writing freely into the template; this template ensures that all your data is in the correct format required for preparing the Abstract Book for **INSIC-2023**.
- The extended abstract of the Contributory papers, should not exceed TWO pages including figures and references. The references should follow the format in the template.
- Good quality figures should be inserted, with an appropriate figure caption.

Kindly save this file and maintain it as a word file.

Upload your abstract to the conference website at: <https://insic2023.org/>

USER DASHBOARD ACCESSED AFTER CREATION OF AN ACCOUNT AND LOGIN

Welcome Shri/Mr/Ms/Dr _____

Note: Your Abstract Status will be updated to you on dashboard. Check your dashboard regularly.

Upload Abstract: [Link \(Click\)](#)

*Registration: [Link \(Click\)](#)

*Upload Registration Details

Fields marked * are mandatory for submitting Abstract

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IFSC/Swift Code of Bank

Image / Snapshot of transaction detail (only JPG file)

Register [LINK \(CLICK\)](#)

Last day for abstract submission	15 th October 2023
Last day for Registration	15 th November 2023

ACCOMMODATION

1. Indian delegates


Indian delegates desiring accommodation need to indicate their requirement in the registration menu. Limited numbers of rooms have been blocked for the purpose. Participants will need to pay for their accommodation at the check-in counter.

2. Foreign delegates

Foreign delegates may book their accommodation through the link of the Hotels provided in the registration form. The room tariff has been negotiated by the organisers.

3. Invited Speakers

After confirmation of their participation in INSIC-2023, the invited speakers are requested to be in touch with the Local Organisation Committee.



SPONSORSHIP

**Charges Inclusive of GST*

Category	Charges*	Entitlements
Platinum	INR 25L	2 Stalls (3m x 2m) + 5 Delegates + One Full Inside Page Advertisement in Souvenir
Gold	INR 18L	1 Stall (3m x 2m) + 3 Delegates + One Full Inside Page Advertisement in Souvenir
Silver	INR 10L	1 Stall (3m x 2m) + 2 Delegates + One Full Inside Page Advertisement in Souvenir

Sponsors will get prominent display in conference website and conference materials.

EXHIBITION

**Charges Inclusive of GST*

Stall (3m x 2m)	INR 3.5L	2 Delegates Free
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Advertisement (all in colour)

Charges Inclusive of GST

Back Cover	INR 1.5L
Back Inside Cover	INR 1.2L
Front Inside Cover	INR 1.2L
Full Page	INR 1.0L
Half Page	INR 70000

PAYMENT OF REGISTRATION FEES

*The registration fee can be paid by Electronic Money Transfer as per the following details

*The transaction details should be provided in the Registration form.

Account Details

Account Name	Indian Nuclear Society
Name of Bank	State Bank of India Anushaktinagar Branch Mumbai - 400094, India.
Account No.	31235059515
IFSC Code	SBIN0010124
UPI ID	indiannuclearsoc@sbi
Swift Code	SBININBB682 SMECHEMBUR(13340)



PLAN OF THE STALLS ARRANGED AT VENUE OF THE CONFERENCE (ONLY INDICATIVE)

