

(NCON 2024)

Northern Region Conference on Advancements and Innovations in Foundry Technology: Driving Sustainable Growth (Green Foundry)



IIF Northern Region Office
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**Under the aegis of The Institute of Indian Foundrymen
Northern Region and its chapter's
On
24th & 25th August, 2024 at
Hotel Radisson, City Centre, Jaipur**

About IIF

The Institute of Indian Foundrymen (IIF) was set up in 1950 to promote education, research, training and development to Indian foundrymen and to serve as a nodal point of reference between the customers and suppliers of the Indian foundry industry on a global scale. With its Head Quarter in Kolkata, IIF presently services the entire country through its 23 Chapters under four Regional Offices located at Kolkata, Delhi, Mumbai & Chennai. The Institute is a member of the World Foundrymen Organisation (WFO) and Confederation of Indian Industry (CII).

About IIF Northern Region

The Institute of Indian Foundrymen (IIF) - Northern Region (NR) was established on 24th February 1963. IIF NR aims to provide education & training to its members by conducting various knowledge enriching training programs, workshops, seminars, works visit etc. to propagate learnings on latest technologies & best practices in order to enhance capabilities of its members and build competitiveness. The office of IIF Northern Region is situated in Tughlakabad Institutional Area, New Delhi in an ultramodern building. IIF NR presently has 4 chapters in Delhi, Jaipur, Chandigarh & Batala.

About IIF Jaipur chapter

IIF Jaipur Chapter was established on 13th September 1987. In Jaipur, foundry units are mainly located in Vishwakarma, Jhotwara, Jetpura industrial areas. Few foundries are being established around Kaladera, Reengus and Sarna Dungar industrial areas. Over the years casting industries have grown at Jaipur & become a sizable cluster. Presently there are more than 100 foundries in Jaipur & nearby areas, producing around 0.35 million tonne of castings every year.

About Jaipur

Jaipur, also known as the "Pink City," is a beautiful and historic city located in the northern Indian state of Rajasthan. As a conference delegate, you will be enchanted by the city's rich history, culture, and traditions. Jaipur is known for its beautiful architecture, with numerous stunning forts, palaces, and temples scattered throughout the city. The city is also renowned for its vibrant markets, where you can find traditional Rajasthani handicrafts, textiles, and jewellery. Overall, Jaipur is a perfect destination for conference delegates looking to experience the rich history, culture, and cuisine of India.

About Conference

The aim of the conference on "Advancements and Innovations in Foundry Technology- Driving Sustainable Growth (Green Foundry)" (NCON 2024) is to drive sustainable growth in the foundry industry by fostering collaboration, sharing knowledge, and

showcasing cutting-edge advancements. Its objectives include promoting sustainability practices, exploring technological innovations, enhancing industry standards, and facilitating networking among professionals in the field. Thus conference would provide a comprehensive platform for researchers, practitioners, and industry experts to discuss the latest advancements, challenges, and opportunities in the field of foundry technology, with a focus on driving sustainable growth and innovation in the industry.

Topics

1. Modern Casting Processes
2. Additive Manufacturing in Foundry Industry,
3. Advanced Simulation Tools for Foundry Process.
4. Solidification, melting and casting, Gating systems
5. Heat Treatment Processes, Foundry Sands and Binders: Sustainable Practices and Environmental Impact.
6. Quality Control in Foundry Industry
7. Automation and Industry 4.0 in Foundry Operations
8. Green Foundry Initiatives: Reducing Carbon Footprint and Energy consumption, circular economy.
9. Challenges and Opportunities in Global Foundry Market
10. Challenges for Small and Medium-Sized Foundries.
11. Industry- Institute Partnership
12. Any other topic relevant to conference theme.

Call for Abstracts/ Papers, Submission Guidelines & Important Dates

We invite researchers, academicians, students and industry experts to submit abstracts/ papers for the upcoming conference on "Advancements and Innovations in Foundry Technology- Driving Sustainable Growth (Green Foundry)" (NCON 2024). The papers should be submitted in English and must not exceed 2250 words, including tables, figures, abstract, and references.

[Abstract: This section provides a concise overview of the paper's objectives, methodology, key findings, and implications. It should not exceed 250 words.

Introduction: The introduction presents the background and significance of the study, outlining the need for sustainable practices in the foundry industry and introducing the research objectives.

Literature Review: This section reviews existing literature related to green foundry technologies, highlighting key advancements, challenges, and gaps in the current research.

Methodology: The methodology section describes

the approach taken to conduct the research, including data collection methods, experimental procedures, and analytical techniques employed.

Results and Discussion: This section presents the findings of the study and discusses their implications in the context of sustainable foundry practices. It may include tables, figures, or other visual aids to illustrate the results.

Conclusions: The conclusion summarizes the main findings of the study, discusses their significance, and offers recommendations for future research or practical applications.

References: As an example: Smith, J., & Johnson, A. (2023). "Eco-Friendly Approaches to Metal Casting: A Review of Green Foundry Technologies." *Journal of Sustainable Manufacturing*, 15(2), 45-62.]

We encourage authors to submit first abstracts and after acceptance papers. The papers have not been

published elsewhere and are not under review in other conferences or journals. All submissions will undergo a peer-review process, and the accepted papers will be presented at the conference and the selected papers will be published. (Emails for submitting abstracts to;

1. ashok.mnit12@gmail.com
2. (cc to: swati.meta@mnit.ac.in, randhir.meta@mnit.ac.in)

Important Dates:

- Paper Submission Deadline: [15-07-24], Notification of Acceptance: [30-07-24], Registration Deadline: [10-08-24], Conference Dates: 24-25 August 2024
- We look forward to receiving your contributions and seeing you at the conference. Presenters/ participants must register for the conference by August 10th, 2024.

Registration details are as given below;

Participant Profile	From India/SAARC Country	From Overseas
Members of The Institute of Indian Foundrymen	Free	-
Delegates from Academic, Government, R&D Organizations, IEI Corporate/Non-Corporate members, and not-for-profit organizations	Rs 3000 / Rs 6000/-	US \$350 (Early birds by 20 th July, 24 US \$300)
Delegates presenting papers from Industries	Rs 6000 /- Rs 10000/-	US \$500/- (Early birds by 20 th July, 24 US \$450 US dollars)
Student Delegate* (Full Time only) Ph. D, M.Tech/ M.S./ B.E./ B.Tech/ Equivalent degree	Rs 1000/- Rs 4000/-	US \$250/- (Early birds by 20 th July, 23 US \$200)
Spouse or accompanying person	Rs 2000/- Rs 3000/-	US \$ 200/- (Early birds by 20 th , July, 23 US \$150)

Payment:

All payments are to be made through Bank Draft / Pay Order/ Cheque, drawn in favour of "The Institute of Indian Foundrymen". For Overseas remittances, and the wire transfer is to be made to the following.

Beneficiary name & address:

Bank- ICICI Bank

Address- Kasba, Kolkata - 42, West-Bengal

Account Holder's Name- The Institute of Indian Foundrymen

Branch- Kasba Branch

Account No. - 098301001880

Account Type- SB



IFSC Code - ICIC0000983

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Contacts

S.No.	Name of the contact person	E-mail	Mobile number
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4.	Randhir K Singh, MME, MNIT Jaipur	randhir.meta@mnit.ac.in	+91-9549651559
5.	Basant Kumar	fic@indianfoundry.org	+91-7428022869

Sponsorship

We are pleased to offer a variety of sponsorship and souvenir advertising opportunities for our upcoming National convention and International conference on "Advancements and Innovations in Foundry Technology- Driving Sustainable Growth" (NCAIFT 2024), taking place in Jaipur from 24-25th, August 2024. By getting involved as a sponsor or souvenir advertiser, your company will have the opportunity to reach a targeted audience of academia & industry

professionals and showcase your products and services.

Sponsorship Opportunities:

We offer three different sponsorship levels for the conference, each with a unique set of benefits:

- Platinum Sponsorship: Includes banner at, 09 Sq. meter exhibit space, one technical paper / company presentation and prominent recognition during opening and closing sessions.

- Gold Sponsorship: Includes banner and recognition during opening and closing sessions.

- Silver Sponsorship: Includes banners only

Platinum: Rs 1.5lakh

Gold: Rs 1 Lac

Silver: Rs.50,000/-

b) Souvenir Advertising Opportunities:

We offer several different souvenir advertising options for the conference, including:

Souvenir Advertisement

Top page (Front), Rs 75000/-

Back Cover outside (Colour): Rs 40000/- Back Cover inside (Colour): Rs 30000/-

Front Cover inside (Colour): Rs 50000/- Inside full Page (Colour): Rs.20000/-

Inside half page (Colour): Rs 15000/- Inside half page (B/W): Rs 8000/-

c) Exhibition Stalls – Rs. 25000/- for 09 Sq. meterspace (For Indian Companies)

d) Exhibition Stalls – 600 USD for 09 Sq. meter space (For Foreign Companies)

For accounts and payments related queries, please contact:

Atin Pandey | M: +91 9811884512 | E: fic@indianfoundry.org

Northern Region Conference on Advancements and Innovations in Foundry Technology: Driving Sustainable Growth (Green Foundry) (NCON 2024)

Under the aegis of The Institute of Indian Foundrymen Northern Region and its chapter's
On

24th & 25th August, 2024 at Hotel Radisson City Centre, Jaipur

To,

The Chairman,

IIF Jaipur Chapter,

Jaipur

Dear Sir,

The following persons may please be registered as delegates for participation in the above Northern Region Conference on Advancements and Innovations in Foundry Technology: Driving Sustainable Growth (Green Foundry) to be held on 24th & 25th August, 2024 at Hotel Radisson City Centre, Jaipur

Sl No.	Name & Designation	Accompanying Spouse (Yes/No)	Category Registration/ Organizational/ Individual/ Educational Institute/ Member IIF /Student Member	Payment Cheque/ Draft No. & Date	Enclosed Amount
1.					
2.					
3.					
4.					
5.					
6.					

(Note: Permission letter from office/ industry/ institute etc. is mandatory for all participants. All will keep identity cards/ proofs with photo as the case may be)

Email, Mobile No.

Address:

Signature with name & date