

IIM- Rourkela Chapter



EVENT LOCATION:

Indo German Club, Rourkela



FOR REGISTRATION:

+91-8895500300



www.iimrourkela.in

Organized by:



In association with:





ABOUT

THE CONFERENCE

The conference is a premier forum for engineers, technocrats, researchers, academia, students, environmentalists and sustainability advocates to exchange ideas, share experiences and research results, explore new ideas, techniques, and tools on sustainability in metal industries.

More specifically, the participants will be presenting papers, discussing and addressing the most recent innovations, trends, and concerns as well as practical challenges encountered, and solutions adopted while marching ahead towards sustainability in metal industries.



Theme

The conference would delve into new technological developments, a time-bound action plan for sustainability in the metal industry, the way forward for promoting the transition towards green manufacturing, various strategies and technologies that can be adopted by the metal industry to produce green metal, and technology readiness levels in line with the direction given by the policy makers.



Topics

- Modern efforts in reduction of carbon footprint/decarbonisation in metal industries
- Challenges and efforts to reduce the carbon footprint in non-ferrous industries
- Government policies on decarbonisation outcomes and implications
- Green Steel: Advances and Technical Challenges
- The future of Green Steel
- Advances in clean production technologies. Strategies to upgrade existing facilities
- Carbon Capture, Utilization and Storage (CCUS)
- Indian roadmap for CCUS
- Energy efficiency and electrification of processes
- Roles of hydrogen in green technology
- CO2 capture from blast furnaces
- Benefitting from scrap and low emission feedstocks
- Technological innovations in metals, alloys, and materials
- Digitalisation and automation
- Artificial intelligence and its applications in increasing efficiency
- Safety and environmental challenges in Metal industries



66 In collaboration with SAIL-Steel Plant Rourkela and National Institute of Technology, Rourkela, Rourkela Chapter is delighted organise the National Conference on Sustainability in Metal Industries.

ABOUT

IIM- ROURKELA CHAPTER

The Indian Institute of Metals- Rourkela Chapter is a professional body for engineers, technocrats, professionals and students in the field of metals and materials science in and around Rourkela. In last couple of years, the chapter has grown to a sizeable strength and is recognized as one of the premier and active metallurgical organizations in the state of Odisha, with activities including organizing international conferences, conducting research and publishing materials related to metallurgy and allied technologies.

Rourkela Chapter undertakes key activities of conducting Technical Talks and Memorial Lectures, Technical Quizes, Workshops, Short term courses, Plant Visits and NMD Celebrations. The chapter also conducts various student events, viz. Technical Debate, Essay, Elocution and Quiz Competitions in the steel township.

PROGRAMME SCHEDULE

Day 1 - Friday, 2nd Feb. 2024

TIME: PROGRAMME:

08:30 AM - 09:30 AM: Registration of Delegates

09:30 AM - 11:00 AM: Inaugural Session

11:00 AM - 11:30 AM: High-tea & Exhibition Visit

11:30 AM - 01:30 PM: Technical Session-I(A) & I(B)

01:30 PM - 02:30 PM: Lunch Break

02:30 PM - 05:00 PM: Technical Session-II(A) & II(B)

07:30 PM onwards: Cultural Programme & Dinner

Day 2 - Saturday, 3rd Feb. 2024

TIME: PROGRAMME:

09:00 AM -11:00 AM: Technical Session-III(A) & III(B)

11:00 AM -11:15 AM: Tea-Break

11:15 AM -01:30 PM: Technical Session-IV(A) & IV(B)

01:30 PM - 02.00 PM: Valedictory Session

02:00 PM - 03:00 PM: Lunch Break

03:30 PM - 05:00 PM: Plant Visit (Optional)

We are welcoming

- Engineers & Technocrats
- Metal Professionals
- Technology Suppliers & Designers

03

- Researchers and Technologists
- Academicians and Students
- Technical Consultants
- Environmentalists &
- Sustainability Advocates



CALL

FOR PAPERS

Technical papers for presentation in the conference are invited from the Engineers / Technocrats / Metal Professionals, Technology Suppliers and Designers, Researchers and Technologists, Academicians and Students, Technical Consultants, Environmentalists & Sustainability Advocates, etc. The Abstract of the technical paper may be sent through e-mail in about 200 words with title of the paper, name of author(s),

and full postal address, mobile number, etc. to Email: seminariimrkl2024@gmail.com

All papers/abstracts will be published in the Conference Proceedings, which will be published by "Springer"- a leading international scientific publishing house.

Language of conference: English

Last date for receiving abstract: 15th January 2024 Full technical paper submission: 31st January 2024

Send your abstract & full technical paper to: seminariimrkl2024@gmail.com

TECHNICAL

COMMITTEE

Prof. B. C. Ray, Professor, NIT Rourkela

Prof. N. K. Mukhopadhyay, Professor, IIT-BHU

Prof. R. Mitra, Professor, IIT Kharagpur

Prof. G. G. Roy, Professor, IIT Khargapur

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Dr. T. Bhattacharyya, Chief, Khopoli plant, Tata Steel

Dr. S. Mukherjee, Head, R&D, Tata Steel

Sri A. C. Sarkar, CGM, SAIL-RSP

Sri P. S. Kannan, CGM, SAIL-RSP

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Sri V.V.R. Murty, GM, SAIL-RSP

Sri Biswajit Mishra, GM, SAIL-RSP

Prof. S.Gollapudi, Associate Professor, IIT Bhubaneswar

Prof. S. K. Makineni, Assistant Professor, IISc Bangalore

Prof. R. K. Prusty, Assistant Professor, NIT Rourkela

Prof. A. Patra, Assistant Professor, NIT Rourkela



REGISTRATION

FEE FOR DELEGATES

CATEGORY FEE (+18% GST extra)

INDIAN DELEGATES

Student / Research Scholar : INR 5,000.00 **IIM Student Member** : INR 4,000.00 Engineer/Faculty/Scientist : INR 10,000.00 : INR 25,000.00 Corporate Delegate (Group of 3) (Group of 5) : INR 35,000.00 **IIM Member** : INR 8,000.00

INTERNATIONAL DELEGATES : INR 12,000.00

Last date for registration and payment of registration Fee: 22nd Jan 2024



PAYMENT DETAILS

payments related to Registration of Delegates, Sponsorship, Advertisement, etc. should be done through crossed Demand Draft / Cheque payable at par, drawn in favour of "The Indian Institute of Metals" payable at Rourkela, or online transfer to account as given below:





Scan and pay with any BHIM **UPI** app

Bank Account Name Account Number

Name of the Bank

UPI Id IFSC code MICR code SWIFT code **GSTIN**

: The Indian Institute of Metals

: 07120110044728

: UCO Bank

Address of the Branch : Sector 5, Rourkela- 769002 : 07120110044728@ucobank

: UCBA0000712 : 769028004 : UCBAINBB104 : 21AAATT3359D1ZU



The conference will be attended by a large number of manufacturers, research organizations and industry experts including technocrats associated with Metal Industries. Sponsors will get a wide publicity during the conference through display of banners, mentions in the Conference events, proceedings, souvenir & other media. Reputed companies / organizations & Industries are invited to join the national event as sponsors. The details regarding various sponsorships are given below:

01 PLATINUM : INR 7,00,000/-

Number of Free Delegates: 05

& Free Exhibition Stall: 01 (Approx. Size: 20' x 8')

03 GOLD : INR 3,00,000/-

Number of Free Delegates: 03

05 BRONZE: INR 1,00,000/-Number of Free Delegate: 01 02 DIAMOND : INR 5,00,000/-

Number of Free Delegates: 04

& Free Exhibition Stall: 01 (Approx. Size: 10' x 8')

04 SILVER : INR 2,00,000/-

Number of Free Delegates: 02

ADVERTISEMENTS

PROSPECTS

RATE (+ 5% GST Extra)

CATEGORY		COLOR	BLACK & WHITE
Front inside / Back Inside Cover	3	INR 1,00,000/-	
Full Page	:	INR 50,000/-	INR 40,000/-
Half Page	ä	INR 40,000/-	INR 30,000/-
Exhibition Stall (Approx. Size: 10' x 8')		INR 1,50,000/-	
Display of Brand / Logo / Banner	÷	INR 30,000/-	

at the Venue

NB: Advertisers should send their soft copy of advertising materials by January 15, 2024)

ABOUT ROURKELA -



Rourkela is located in the north-western tip of Odisha and at the heart of a rich mineral belt. Being situated on the Howrah-Mumbai rail mainline, Rourkela is very well connected with most of the important cities of India. The Rourkela Airport owned by Rourkela Steel Plant has started commercial air service under the RCS UDAN Scheme from January 2023. The other nearby airports are Jharsuguda (130km), Ranchi (170km), Bhubaneswar (328km) & Kolkata (413km).

Apart from the steel plant, the city also has one of the premier national level technical institute, the National Institute of Technology, Rourkela. The Biju Patnaik University of Technology and the "Birsa Munda International Hockey Stadium" officially recognised by the Guinness World Records as the world's largest fully seated hockey arena are some other important landmarks of the City.

HOW TO REACH?

BY AIR: The nearest airport is Rourkela Airport.

The 2nd nearest airport is Veer Surendra Sai Airport, Jharsuguda

BY TRAIN: The nearest railway station is Rourkela railway station.





WHERE TO STAY?

- 1. Mayfair Hotels & Resorts
- 2. Deepti Courtyard
- 3. Radhika Regency
- 4. Hotel Brindaban
- 5. The Central Park Boutique Hotel
- 6. Hotel Pahadi
- 7. The Regency Inn
- 8. Hotel Panthanivas

APEX

COMMITTEE

PATRONS:

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Prof. B.C. Ray, Professor HAG, NIT Rourkela

COMMITTEE

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& Chairman, IIM, Rourkela Chapter

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& Hony. Secy, IIM, Rourkela Chapter

CO-CONVENOR: Sri P. K. Swain, CGM, Town Admn. & CSR, RSP

& Hony. Treasurer, IIM, Rourkela Chapter

Prof. D. Chaira, HOD, Dept. of Metallurgical

& Materials Engg., NIT Rourkela

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