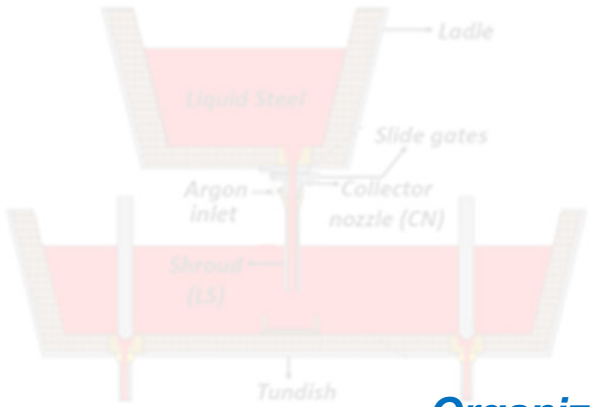




***International Conference on
Physical and Mathematical Modelling in
Iron and Steelmaking
in Honour of Prof. Dipak Mazumdar***



***Organized by:
Department of
Materials Science and Engineering
Indian Institute of Technology Kanpur***

 **December 18th – 19th, 2022**

 **Outreach Auditorium, IIT Kanpur**



Physical and Mathematical Modelling in Iron and Steelmaking

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Physical and Mathematical Modelling in Iron and Steelmaking

About IIT Kanpur

Established in 1959, IIT Kanpur has evolved into a world class institution for higher technical education in the last six decades. Spread over a green lush area of about 1000 acres, IIT Kanpur currently has over 500 faculty members and ~9000 students.

About Materials Science and Engineering Department

Established in 1960, the department of Materials Science and Engineering at IIT Kanpur, is ranked amongst India's top schools in Materials Science and Engineering. Earlier known as Metallurgical Engineering, the department, since its inception, has placed a strong emphasis on educating and nurturing young minds to impart quality technical education through an interdisciplinary curriculum. With cutting edge research in diverse facets of materials science, the department is endowed with a highly Comprehensive undergraduate program, a dynamic graduate program and a distinguished set of faculty members. The alumni network of the department comprises of remarkably skilled and knowledgeable individuals spanning across both the national and the international horizons.

About Professor Dipak Mazumdar



Professor Dipak Mazumdar, born on 11th December 1957, graduated in Metallurgical Engineering from Regional

Institute of Technology (now NIT), Jamshedpur in 1980. He received his Master degree in 1982 from Indian Institute of Technology, Kanpur, and a Ph.D. with honours in Process Metallurgy from McGill University in 1985. He returned to India in early 1987 and has been teaching and conducting research on steelmaking at IIT Kanpur for over three and a half decades.

He held two prestigious Chair Professorship, the *INAE Chair Professor* and the *Ministry of Steel Chair Professor* during 2012-2013 and 2013-2017 respectively.

He has coauthored two textbooks, five review papers and one hundred seventy scientific articles in peer reviewed journals and conference proceedings. A Fellow of the Indian National Academy of Engineering (INAE) as well as the Indian Institute of Metals (IIM), Professor Mazumdar is the recipient of fourteen national and international awards, including Distinguished Educator/Teacher award from the INAE and the IIM as well as Excellence in Teaching award from IIT Kanpur.

Symposium Themes

Broad areas on which the international symposium would deliberate include Theoretical, Modelling and Experimental research of relevance to:

- Blast Furnace Ironmaking
- Alternative Ironmaking
- Agglomeration Technologies
- BOF and EAF Steelmaking
- Ladle and Tundish Metallurgy
- Ingot and Continuous Casting
- Clean Steel Technology and
- Refractories in Iron and Steelmaking

Call for Paper

Although, most presentations in the conference will be invited, a few contributory presentations may also be included. Abstract on original and unpublished research work, not exceeding 200 words, is invited on different conference themes from researchers engaged in academia, industry, R & D and design organizations. All abstracts shall undergo peer review and an e-booklet containing extended abstracts shall be published for distribution amongst registered delegates.

Important Dates

- Conference dates: 18 - 19 December, 2022
- Abstract submission deadline: 30 June, 2022
- Notification of acceptance: 31 July, 2022
- Submission of extended abstract: 31 August, 2022
- Registration deadline : 30 November, 2022 (organizers request all participants to register in advance for a smooth conduct of the conference)

Sponsorship

Organizers of this conference solicit support from domestic as well as foreign steel, refractory and allied industries towards organizing various events. Potential sponsors are requested to contact the conference convener directly.

Category	Quantum of support	
	Indian (INR)	Overseas (US \$)
Platinum	3,50,000	6000
Gold	2,50,000	5000
Silver	1,50,000	3000

Registration Fees

Registration fee includes access to technical sessions, conference souvenir and abstract e-booklet, and lunch and dinner. A local site seeing programme for all the attendees will be organized.

Category	Amount (INR)*
Industrial Participants	Rs. 6000
R&D and Academic Participants	Rs. 4000
Spouse	Rs. 2000
Student	Rs. 2000

* Excluding GST (18%)

Accommodation

Efforts shall be made to accommodate delegates inside the campus. Allocation shall be done on first-come first-serve basis and shall involve a payment. Besides campus there are many star accommodation hotels in the city, namely, Hotel Landmark and Hotel Royal Cliff which can be booked by delegates. For delegates staying in these hotels, daily transport to the venue will be arranged.

About Kanpur

Kanpur, the second largest industrial city in North India is famous for leather and cotton industries. It is the economic capital of the state of Uttar Pradesh and is located on the banks of the river Ganges. Kanpur has a rich heritage and appears frequently in Indian history. Kanpur and its adjoining areas were the epicenters during the first Indian war of independence in 1857.

How to reach Kanpur

Air connectivity to Kanpur is via Kanpur/Lucknow airports. Lucknow is connected to IIT Kanpur by NH-37 and travel time is approximately two hours. Kanpur also enjoys excellent rail connectivity with all major cities. Arrangements shall be made to receive guests from the airports and railway stations.

Weather in December

Winter spreads from November to January and is the best time of the year to be in Kanpur. In December, the daytime temperature is expected to be 20-25° C and nights would be cooler, between 8 -10° C.

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