

namely, Hotel Landmark (website: www.thehotellandmark.com) and Hotel Royal Cliff (website: www.hotelroyalcliff.com) which are recommended and wherefrom, daily transport to the venue shall be available. Delegates willing to stay in hotels should get in touch with the same directly. Pearl International Tour and Travels may also be contacted (<http://www.travelwithpearl.com>). For travel and accommodation related assistance, contact person at Pearl is Md. Meeraj (cell: +91 9839099913).

Kanpur Weather in December

Winter spreads from November to January and is the best time of the year to be in and around Kanpur. During the time the conference is held, day time temperature expected is around 20°C to 25°C; nights would be little cooler, between 8°C to 10°C. Light woolen clothes are recommended.

Sponsorship

Several integrated and special steel plants, refractory manufacturers, design and consulting firms and allied industries have come forward to support the conference. STIS-2017 is proud to have *JSW Steel, Tata Steel, Vizag Steel, Mahindra Sanyo Special Steels, Vardhman Special Steel, Orient Refractories, Hi-Tech Chemicals, M.N. Dastur & Co., Praxair, Kinnor & Associates, MECON and TCS* as sponsors.

Industries related with the manufacturing of iron and steel are requested to be in touch with the Chair directly to be a part of this signature conference on Ironmaking and Steelmaking.

Important Dates

- Abstract submission deadline: July 1st, 2017
- Notification of acceptance: August 15th, 2017
- Submission of full text: October 1st, 2017
- Registration deadline: 15th November, 2017

For more information, visit:
www.stis17.org

Conference Committee

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STIS-2017

Supported by:



3rd International Conference on Science and Technology of Ironmaking & Steelmaking December 11th – 13th, 2017

Organized by:

**Department of
Materials Science and Engineering
IIT Kanpur, INDIA**

STIS-2017 SPONSORS



Conference Website: www.stis17.org

FINAL
CIRCULAR

Planning and organization of STIS-2017 conference at IIT Kanpur is progressing smoothly. The Plenary session has been finalized and includes a very distinguished panel of speakers from around the world. At least, fifty five Keynote and Invited talks are going to be presented in the conference in addition to a good number of contributory papers. In addition to the plenary and parallel sessions, an exclusive, special session on “*Education of ferrous process metallurgy: present and future*” as well as a panel discussion on “*Tailoring of iron and steel education to meet future challenges*” are planned during on the second day of the conference. STIS-2017 is expected to be an excellent platform helping students, engineers and researchers remain up-to-date with various issues challenging the steel industry currently.

“*Music of the land*” shall be staged by Tabla Maestro Pandit Tanmoy Bose and his group in the main auditorium of IIT Kanpur on 11th December as part of the evening cultural programme. Several prominent steel, refractory, design and allied industries have come forward as sponsor to help make STIS-2017, like its predecessors, a memorable event.

Plenary Session

Plenary session shall see five highly distinguished speakers including (from L to R) Prof. Veena Sahajwalla (Australia), Prof. Olle Wijk (Sweden), Prof. Shin-ya Kitamura (Japan), Prof. Brian G. Thomas (USA) and Mr. Anand Sen (India).



The session is scheduled immediately after the inaugural session on 11th December morning and shall be chaired by renowned process metallurgist, Prof. Roderick Guthrie.

SPEAKER	TITLE OF PRESENTATION
Prof. Veena Sahajwalla, University of NSW, Australia	Grenew technology for sustainable ironmaking: waste to zero-coke resources
Prof. Olle Wijk, OWAB, Sweden	Aspect on ladle refining of liquid steel
Prof. Shin-ya Kitamura, Tohoku University, Japan	Extraction and recovery of valuable elements from steelmaking slag
Prof. Brian G. Thomas, Colorado School of Mines, USA	Continuous casting of steel: computational modelling and validation
Mr. Anand Sen, Tata Steel, India	Marshalling in-house research for improvement in plant performance

Special Session

Education of Ferrous Process Metallurgy

India shall soon emerge as the second largest steel producer in the world. In the encouraging business scenario however, education as well as research in iron and steel have taken a back seat and currently, less than satisfactory in the country. A pragmatic strategy is needed to reverse the present trend. The special session, scheduled on the afternoon of second day is aimed to find the way forward and chart out a realistic road map for ferrous metallurgy education and research in the country.

The session is planned to comprise of two sub-sessions; the first shall be Chaired by Prof. Seshadri Seetharaman, a notable academician from KTH, Sweden. In this, five distinguished academician from Australia, China, India, Japan and South Korea shall be making presentations on the theme “*Education of ferrous process metallurgy: present and future*”. Subsequently, a panel discussion on “*Tailoring of ferrous metallurgy education to meet future challenges*”, with primarily Indian academicians shall follow.

SPEAKER	AFFILIATION	PRESENTATION THEME
Prof. B. Monaghan	UoW, Australia	Education of Ferrous Process Metallurgy: present and future
Prof. L. Zhang	USTB, China	
Prof. H. Matsuura	Tokyo University, Japan	
Prof. S.P. Mehrotra	IITGN, India	
Prof. J.W. Han	Inha University, S. Korea	

The panel discussion shall feature eminent educationist from within the country and include Prof. P.K. Sen (IITKgp), Prof. N.B. Ballal (IITB), Prof. V. Ramaswamy (PSG CET) and Prof. D. Mazumdar (IITK). Director IIT Kanpur and a distinguished Metallurgist, Prof. I. Manna shall moderate.

Parallel Sessions

Beneficiation to continuous casting relevant to iron and steelmaking is included in the scope of the conference. Parallel sessions, spread over 3 days, shall see many Keynote, Invited and contributory presentations on:

- Fundamentals of iron and steelmaking
- Raw materials and beneficiation
- Agglomeration
- Coking and auxiliary systems
- Blast furnace ironmaking
- Alternative iron making & pre treatment
- BOF and EAF steelmaking
- Ladle and tundish metallurgy
- Ingot and continuous casting
- Modeling in iron and steelmaking
- Clean steel technology
- Emerging and sustainable iron and steelmaking and,
- Refractories in iron and steelmaking

Parallel sessions shall see as many as sixty Keynote and Invited talks delivered by leading experts drawn from University, research laboratories, design organizations, steel and refractory industries. These include various organizations and academic institutions such as, Arcelor Mittal, ANSYS, Steel Dynamics, Nippon Steel & Sumitomo Metals, Kurosaki-Harima, Calderys Refractories, JSW Steel, Tata Steel, HATCH, PRIMETALS, NML, McMaster University, CMU, OSU, McGill University, Missouri University of Science & Technology, UST (Beijing), South Central University (China), Tokyo University, Inha university, IITs and IISc. to name a few.

Cultural Programme



On the first day of STIS-2017, December 11th, Tabla Maestro, Pandit Tanmoy Bose and his team of accompanying artists shall perform in the main auditorium of IIT Kanpur and present their famous show, the “*Music of the land*”.

Registration

Registration in on and open till 15th of November, 2017. Registration fee includes access to technical sessions, a conference proceeding, stationery, lunch and dinner.

CATEGORY	DOMESTIC	OVERSEAS
Individual	Rs. 12000	US \$ 200
Spouse	Rs. 6000	US \$ 100
Student	Free & on invitation only	

Accommodation

All Plenary, Keynote and Invited speakers as well as sponsors shall be accommodated inside the campus. There are star city hotels