राष्ट्रीय प्रौद्योगिकी संस्थान, दुर्गापुर | NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

An Institute of National Importance under Government of India, Ministry of Human Resource Development

International webinar on

GLOBAL STEEL INDUSTRY SUSTAINABILITY (GSIS-2020)

2nd August, 2020: (14:30-18:30 IST)

Organized by

Department of Metallurgical and Materials Engineering

In association with

Indian Institute of Metals Student Chapter, NIT Durgapur

About the Webinar:

India is the second largest steel producer in the world and aiming to produce 300 MT crude steel by 2030. For achieving the targeted production a major breakthrough is required in the technological intervention with proper energy and environmental management to make the steel production sustainable. Higher production, better economy and lower capital has been the consideration of past, whereas the efficient use of energy and cheaper raw materials are desired as present by the steel industry. The good **environment**, lower **energy** and better **economy** 3E's in the future. The aim of this webinar is to provide an understanding of energy and environmental management in metallurgical industries towards sustainable steel making among the academician, researchers, industry personals and students.

About the speakers:

Dr. R.C. Gupta, is Retd. Professor & H.o.D, IIT-BHU, Varanasi & Ex member of Ministry of steel, GOI, Ministry of environment and forest GOI, Orissa pollution control board. He will deliver the lecture on the topic of ***'Energy Need, Sources and CO_2 Management in Metallurgical Industries'***. He will discuss the issues like energy need & sources, energy & environment relationship, energy use in steel plants, possible solutions to the problems caused by energy use, alternate energy sources for metallurgical use etc.

Dr. Nawshad Haque is a Senior Scientist, CSIRO Melbourne in Australia and currently is working on process, project and technology evaluation applying life cycle assessment (LCA) methodology and techno-economic capabilities using various tools, software and databases. He will deliver the talk on the "Life cycle assessment (LCA) based environmental impact of iron and steel making". He will discuss how LCA approach can be applied for carbon emission calculation from iron ore mining, processing, sintering, blast furnace, BOF steelmaking. He will also highlight the new developments to reduce carbon footprints of iron and steelmaking etc.

How to join:

Faculty, researchers, industry professionals, students can join free of cost. Registration can be done by scanning the code or clicking directly from this link: https://forms.gle/Qe1Ajj8iVMYLP6vx9

The e-certificate will be issued to the participated candidate after filling feedback of the webinar

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For further queries, please contact:

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