Webinar
On
"Industrial Practice of Refractories and High-Temperature Ceramics: Testing and Characterizations"

(Date March 22nd-23rd, 2021)

Organized
By
IIT(BHU)-IRMA Center of Excellence for Refractories, IIT(BHU) Varanasi 221005
Venue: Via Online mode (Google meet)

OBJECTIVES

The primary objective of the two day webinar is to develop knowledge on the principles and characterizations of high-temperature ceramic (refractories, composites) testing, while the importance of materials specifications, role of compositions will also be discussed. Some other objectives are given as follows:

- Outline of the different testing and characterizations methodologies.
- Refractory testing and its relevancy with industry.
- Various limitations of testing and characterizations.
- Knowledge on the data analysis and their properties for various other applications.
- Material chemistry and physical properties
- Role of ceramic manufacturing processes of shaped and unshaped components in industries
- To develop knowledge on the understanding of the characteristics of the ceramic products.

Chief Patron:

Prof. Pramod Kumar Jain
Director, IIT (BHU) Varanasi

Patron:

Prof. Rajiv Prakash
Dean (R&D), IIT(BHU) Varanasi

Convener:

Dr. Santanu Das
Coordinator,
IIT(BHU)-IRMA Center of Excellence for Refractories, IIT(BHU) Varanasi

Organizing Committee members:

1. **Dr. Ashutosh K. Dubey**,
   Assistant Professor, Department of Ceramic Engineering, IIT(BHU), Varanasi
2. **Dr. Preetam Singh**,
   Assistant Professor, Department of Ceramic Engineering, IIT(BHU), Varanasi
3. **Dr. Satyanand Behera**,
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4. **Mr. Sunil Kumar Karna**
   Lab Assistant,
   IIT(BHU)-IRMA Center of Excellence for Refractories, IIT(BHU) Varanasi

Indian Institute of Technology (BHU), Varanasi, UP, India

The Indian Institute of Technology (Banaras Hindu University), Varanasi is located in the magnificent campus of Banaras Hindu University at the southern end of the ancient city of Varanasi on the banks of the holy river Ganga. Engineering Education in Banaras Hindu University commenced in 1919 with the establishment of Banaras Engineering College (BENCO). The Institution has also pioneered engineering education by being the First in the country to start degree courses in Mining, Metallurgy, Ceramic Engineering and Pharmaceutics with the establishment of the College of Mining and Metallurgy and the College of Technology in the year 1923 and 1932

respectively. In 1969 these three colleges were integrated together to form a stand-alone Institute of Technology, BHU. In 2012, the Government of India officially converted IT(BHU) into IIT (BHU), Varanasi and since then, IIT(BHU) is an independent academic organization contributing towards nation building.

Indian Refractory Makers Association (IRMA)

IRMA stands for the Indian Refractory Makers Association. It is a national organization for the refractory manufacturing companies in India. It was set up in 1958, and currently 75 manufacturing units in the membership of IRMA. IRMA is the national body for Indian companies – designing, engineering, installing and maintaining refractories for cost-effective and value-added operations in manufacture of steel, non-ferrous metals, cement, glass, ceramic products, calcination of lime and other non-metallic minerals, chemicals and fertilizers, boilers and incinerators, and a host of other high-temperature applications.

WHO CAN PARTICIPATE?

People working in Ceramic Industries or involve in Ceramic related research in Academia (Assistant Professor, PhD Research Scholars, M. Tech Scholars) are allowed to join the webinar.

SPEAKERS

1. **Dr. C.D. Madhusoodana**, Bharat Heavy Electricals Ltd., Bangalore
2. **Dr. I. N. Chakraborty**, Calderys India Refractories Limited, Nagpur
3. **Mr. P. Panigrahi**, Tata Steel Limited, Jamshedpur
4. **Ms. Neha Jain**, RHI Magnesita, Austria
5. **Dr. A. Saha** , General Electric (GE), Bangaluru
6. **Dr. H. S. Tripathi**, Central Glass and Ceramic Research Institute, Kolkata
7. **Dr. U. Sengupta**, Refratechnik India P Ltd., Visakhapatnam
8. **Mr. G. Ghosh**, Tata Steel Limited, Jamshedpur

REGISTRATION FEE

The registration Fees for the webinar is as follows:

People from Industries	**INR 1000/- per person**
People from academic institutions	**INR 500/- per person**

However the seats are limited (30 people from Industry and 30 people from Academia (including **Assistant Professor, JRF, SRF and postdoc**, total 60 seats) and the participants will be allowed as first come basis.

The registration fees need to be transferred to the following bank account for the registration process:

Name of Account: IIT (BHU)-Main Account
Account No: 32778803937
Name and Bank Address: S.B.I, IT (BHU), Varanasi, UP, India
Branch Code: 11445
IFSC Code: SBIN0011445

FOR ANY QUERY PLEASE CONTACT

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And

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IMPORTANT DATES

Last Date of Registration	**14th March 2021**

GUIDELINES TO PARTICIPANTS:

Registration Process:

For Registering in the webinar, please fill out the Google form in the following link (***Before filling out the form, please pay the registration fees***):

https://docs.google.com/forms/d/1UsnyMOiwWz0X-DQw6pXGWO5JLRpjQRm18JRm9OxOpF4/edit?gxids=7628

Certificate of participation (e-copy) will be issued to all the participants only after the successful completion of the 2 days webinar.