



**MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY**

Kokapet(Village), Gandipet, Hyderabad, Telangana - 500075. www.mgit.ac.in



MOTIVATE
INNOVATE
EMPOWER **23**
YEARS

3-Day Online Webinar

on

Secondary Melting and Processing Technologies (SMPT-2020)

July 23-25, 2020

Organized by

Department of Metallurgical and Materials Engineering

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY

Hyderabad-500075

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MGIT

Mahatma Gandhi Institute of Technology, affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, was established by Chaitanya Bharathi Educational Society in 1997 with an objective of imparting value-based education in an invigorating ambience at Gandipet, Hyderabad. MGIT has been accredited by National Board of Accreditation (NBA), New Delhi 3 times (2009, 2014, and 2018) and by NAAC with A Grade.

About the Department

The Department of Metallurgical and Materials Engineering (MME) was incepted along with other Engineering disciplines with the noble thought of spreading the importance of core engineering disciplines. The faculty members of the department are well qualified, highly experienced and are in consultation with renowned agencies in pursuing innovative research projects. The department enthusiastically motivates its undergraduate students to upgrade their technical, communicative and organizational abilities to transform them to be employment ready.

About the webinar

The need for high performance alloys with enhanced property requirements for critical and strategic applications has led to the secondary melting and processing technologies. Controlled solidification to eliminate ingot macro segregation, defect reduction by ensuring clean and consistent end-product with low gas content, impurities, and non-metallic inclusions are some of the most important goals in re-melting technologies, such as vacuum arc, electro slag re-melting, plasma or electron beam processes. The aim of this webinar is to provide an overview and practices of these secondary melting processes and advanced technologies and create a platform for the industry, research and institute interaction.

Technical Program

23.07.2020



Dr. G Balachandran
Vice President
R&D, JSW Bellary

Topic:
Introduction to Secondary Metallurgy



Dr. Amit Bhattacharya
Scientist G,
DMRL Hyderabad

Topic:
Processing of Titanium Alloys in Secondary Melting Furnaces

24.07.2020



Dr. Dipak Muzumdar
Professor
IIT Kanpur

Topic:
Celebrating half century of mathematical modeling of steelmaking processes: Advancements and unscaled frontiers



Mrs. Ashmita Patra
Manager, R&D
MIDHANI, Hyderabad

Topic:
Vacuum Arc Remelting- Processing Technologies for Superalloys

25.07.2020



Dr V V Satya Prasad
Outstanding Scientist
DMRL (Retd.), Hyderabad

Topic:
Electro Slag Remelting- Salient Features and Processing Technologies for Speciality Steels and high purity Copper



Dr Arup Kumar Mandal
Assistant Professor
NIT, Durgapur

Topic:
Application of Plasma Arc Melting Process for Production and Purification of Metals

Faculty, Researchers, Industry Professionals, and Students can participate

Registration Link: <https://forms.gle/kAydZHNNsSy5ywQV8>

No Registration Fee

Last Date for Registration: 21.07.2020

E-Certificate will be provided to all the participants, who attend all sessions and submit the feedback forms.

All queries can be posted to smpt2020.mmemgit@gmail.com