



INDIAN INSTITUTE OF TECHNOLOGY INDORE

Department of Metallurgy Engineering & Materials Science

Organizes

7 days high-end workshop on

Recent Development in Materials for Aerospace and Space Shuttle Applications

18th June - 24th June, 2023



Funded by SERB (DST, Govt. of India)

Sponsored by Science and Engineering Research Board

(**KARYASHALA**: ACCELERATE VIGYAN SCHEME)



Venue: IIT Indore

ABOUT THE PROGRAM

The objective of this high-end workshop is to broaden the knowledge of participants and provide hands on training in the areas of development for advanced materials for aerospace and space shuttle applications. The topics covered in the course includes recent development in Ti alloys, Al alloys, Mg alloys, light weight composites, green composites, super alloys, shape memory alloys and etc. with main focus on aerospace and space shuttle applications. Also the topics related to advanced processing techniques, failure analysis and microstructure characterization of materials would be discussed in detail. In this course, in addition to expert lectures, practical sessions to provide hands on training to the participants for better the understanding related to development of advanced light alloys for aerospace and space shuttle applications, their processing techniques and characterization.

WHO CAN APPLY ?

- Highly motivated PG / PhD students from any recognized university from India interested to enhance their knowledge in the area of advanced materials, materials development for aerospace, space applications, advanced materials processing techniques and materials characterization techniques, alloy development and mechanical testing (preferably students from mechanical, material, manufacturing, production, automotive / aerospace/ applied mechanics/ physics or equivalent branches of engineering and science) are eligible to apply.
- Number of participants limited.
- There is no registration fee for the registration and participation.
- For outstation students to and fro train / bus fare (sleeper class) and accommodation will be provided at IITI hostel free of cost.

How to apply: Interested and eligible students can submit the online application form given in the link below.

https://docs.google.com/forms/d/1RWd8c5bLb0yGZ04uhWvL_qbAPfpU4LU5KGgH_6CkvRA/edit

Last date for submitting application : 20.05.2023 (seats are limited, please submit at the earliest).

Course Fee: The program is under Accelerate Vigyan **KARYASHALA**., supported by SERB there is **no fee** for the participating students.

Certificate: After successful completion all the registered participants certificate will be issued

ABOUT IIT INDORE

Indian Institute of Technology Indore (IIT Indore), is an institute of national importance established by the Government of India in 2009. IIT Indore campus, spread over an area of around 500 acre. IIT Indore is equipped with world class research infrastructure, with renewed faculty members. The department of Metallurgy Engineering and Materials Science (MEMS) is functioning full fledged from 2016. The emphasis of the department is to promote multidisciplinary research to find amicable solutions for the real- world problems and work on the cutting-edge research problems that benefits society related to materials.

COURSE CO-ORDINATOR

Dr. Jayaprakash Murugesan

Associate Professor, Department of Metallurgy Engineering and Materials Science,

Indian Institute of Technology Indore. Indore – 453552. Email-id: jayaprakash@iiti.ac.in ,Mobile: +91-9755611891

(if any problem in submitting online application please write to jayaprakash@iiti.ac.in/ call :9755611891)