

## One Week Workshop

on

### Computational Techniques in Metallurgical and Materials Engineering

(CTIMME-2022)

17<sup>th</sup>- 21<sup>st</sup> October, 2022



Organized by

Department of Metallurgical and  
Materials Engineering

National Institute of Technology  
Srinagar

Hazratbal, J&K, India (190006)



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### Conveners

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## ABOUT THE INSTITUTE

National Institute of Technology, Srinagar is one of the premier Educational Institutes in the Northern Regions of the country. It was established in 1960 and has been one of the eighteen Regional Engineering Colleges sponsored by the Govt. of India during the 2nd Plan. The Institute acquired the status of National Institute of Technology with deemed to be University status during August, 2003 and attained full autonomy in its Academics.

## ABOUT THE DEPARTMENT

The department of "Metallurgical and Materials Engineering" was established in the year 1963. It conducts a four years under-graduate academic programme leading to the award of B.Tech. Degree in "Metallurgical & Materials Engineering". The department has adequate laboratory facilities to conduct experiments for the undergraduate students in various courses of the engineering curriculum. The department has qualified faculty and the expertise available including disciplines viz. Foundry Technology., Materials Technology, Corrosion Engineering, Welding Technology, Physical Met., Ferrous and Non-ferrous Metallurgy, Non-destructive Testing and Evaluation etc. Apart from teaching, the department is engaged in a wide range of activities covering research and development, testing and consultancy, curricular and faculty development.

## OBJECTIVES OF THE WORKSHOP

- To introduce participants to new trends and technologies in the field of computational metallurgical thermodynamics, thermo-mechanical processing and foundry technology
- To provide hands on training of the state of the art computational software/ techniques like LS-Dyna, ThermoCalc, used in the field of Metallurgical & Materials Engineering.

## COURSE OUTLINE

**The work shop is intended to cover following topics:**

- **Fundamentals of computational techniques applicable in metallurgical thermodynamics & mechanical behavior of materials**
- **Fundamentals of computational techniques in microstructure & phase field modeling**
- **Hands on training of ThermoCalc , LS-DYNA and Micress softwares etc.**

## RESOURCE PERSONS

Dr. Shantanu Madage (IIT Jammu),  
Dr. Saswata Bhattacharya (IIT Hyderabad),  
Dr. Amitava Banerjee (IIT Jodhpur),  
Dr. K. Guruvidyathri (UOH), Dr. Rahul M R (IIT Dhanbad) & other Eminent faculties from IITs, NITs, Central Universities. Experts from Industries will deliver talks and conduct hands on sessions.

## AUDIENCE DOMAIN

This workshop is primarily open to faculty and students from Engineering colleges/Institutions. Working professionals from Industries /R & D/ other organizations can also apply for the course.

## REGISTRATION

**Link for registration**

**<https://forms.gle/g81Ev2qAD16mWq1U7>**

**Registration fees are as follows**

- **Student /Research Scholars Rs. 1000/-**
- **Faculty Members/Scientist Rs. 2500/-**
- **Industry Person Rs. 5000/-**

## IMPORTANT DATE

**Registration Deadline: 14/10/2022**

*Note: Registration is limited to first 40 applicants. The accommodation will be provided on payment basis subjected to availability.*

## CONTACT PERSONS

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