

**e-Workshop  
on**

**Advances in Manufacturing: Materials,  
Processes & Systems (AMMPS-2020)  
23<sup>rd</sup> Nov. – 27<sup>th</sup> Nov. 2020**

**About NIT Hamirpur**

National Institute of Technology Hamirpur is one of the thirty one NITs of the country, established in 1986 as Regional Engineering College, as a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. The goals of the institute as embodied in the logo are truly remarkable in their scope of vision. The college provides Undergraduate, Postgraduate and Doctorate Education in Engineering, Sciences & Humanities; fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied.

**About Mechanical Engineering Department**

The Department of Mechanical Engineering has evolved into one of the finest in terms of teaching curriculum and methodology supported by a well-organized and adequately funded research program. The Department has a very well-established B. Tech. program complemented by four M. Tech. programs in Energy Technology, Design, Thermal and Manufacturing. Apart from this about 51 Research Scholars have got their Ph.D. in various areas of specialization and 30 Research scholars are ongoing in various areas of specialization. The department is, perhaps, the most versatile in terms of the range of specializations of its faculty members and a well experienced support staff.

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Dr. Manoj Kumar Sinha

**Coordinator**

Dr. Param Singh

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**Organizing Committee**

All faculty and Staff of Mechanical Engineering  
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An Initiative of  
**National Institute of Technology Hamirpur**  
Hamirpur, Himachal Pradesh, India



**Organized by**

**Department of Mechanical Engineering  
National Institute of Technology Hamirpur**

Hamirpur, Himachal Pradesh – 177 005, India  
Phone: +91-1972-254702/46  
Web: [www.nith.ac.in](http://www.nith.ac.in)

## About e-Workshop

This e-Workshop is in line to the theme of providing a platform to expose the participants to the current and future challenges with their possible solutions along with brushing up the fundamentals of manufacturing aspects. Lectures, exhaustive discussion, mutual interaction and idea sharing will certainly open an avenue to take a leap in the direction of mitigating the ongoing and future industrial needs in scientific ways.

## Objectives and Scope

Manufacturing science is the key domain of Mechanical Engineering. Quite often, the level of manufacturing reflects the ability to adopt the new and upcoming industrial needs. Growth of a country primarily depends on the strength of the manufacturing sectors. Generally, manufacturing consists of materials, processes and systems, which play critical role in a product realization.

The prime objective of this workshop is to impart the comprehensive knowledge of recent advances and developments in the field of materials, manufacturing and processes.

This workshop will certainly unfold the three mutually dependent realms to cater the needs of manufacturing industries and to enable the participants to address various upcoming issues and challenges related to materials, manufacturing processes and systems.

## Topics to be Covered

- Introduction to Advances in Materials
- Micro-nano Manufacturing
- Hybrid Micro-machining
- Sustainable Machining
- Coating and Deposition Techniques
- Advanced Welding Techniques
- Incremental Forming
- Systems in Manufacturing

## Resource Persons/Speakers

Faculties/Experts from IITs, NITs, IIITs and other premier Institutions/Organizations will deliver the lectures.

## Targeted Participants

Faculty from engineering institutes, universities, research scholars, UG/PG students, and other educational institutes and employees of the industries.

## Number of Participants

Number of participants is limited for this workshop. Application will be accepted on *first-cum-first serve basis*.

## Important Dates

Last date (Online Registration): **20-11-2020**

Confirmation by E-mail: **21-11-2020**

e-Workshop duration: **23-11-2020 to 27-11-2020**

## Registration Fee Details

Participants	Amount (in Rs.)
Students	200/-
Participants from Academia/R&D Labs	500/-
Participants from Industries	1000/-

**Registration is compulsory for all the delegates. The registration fee is non-refundable.**

## How to Apply

The interested candidates must deposit the registration fee through SBI collect with the following procedure

- Go to SBI collect and choose Himachal Pradesh as state of Institution and type of Institution as educational institute
- Choose NIT Hamirpur from Name of the Institutions and Select payment category as WORKSHOP FDP STC CONFERENCE
- Generate the payment slip and attach it with the registration form available at the following link

<https://forms.gle/81cXAdUy9699ofBG7>

**\*E-Certificate will be provided to those registered participants whose minimum attendance is 75% of the program.**