

## TARGET AUDIENCES

The workshop is open for Faculty members/ Students of engineering/ science colleges, practitioner from industries and other organizations.

## SPEAKERS

- Prof. Peter Magyar, IEEE IAS Director of Chapter and Membership Development, Germany
- Prof. S. N. Singh, Vice-Chancellor, MMMUT, Gorakhpur
- Prof. Saikat Chakrabarti, IIT Kanpur
- Prof. Sukumar Mishra, IIT Delhi
- Prof. B. K. Panigrahi, IIT Delhi
- Dr. Shimi S. L, NITTTTR, Chandigarh
- Dr. Ranjan Sodhi, IIT Ropar
- Dr. Anup Shukla, IIT Jammu
- Dr. Naran M. Pindoriya, IIT Gandhinagar
- Dr Bharat Singh Rajpurohit, IIT Mandi
- Dr Narsa Reddy, IIT Mandi
- Dr. Bhakti Joshi, IIT Mandi

## REGISTRATION FEE

For Scholars/Students	₹5000/-
Academic Participants	₹10000/-
Industrial Participants	₹15000/-

**Note:** - *IEEE members will get 10% discount in each registration category.*

Registration will be covering workshop fee, workshop materials, refreshments & lunches during the workshop period only. Accommodation in Guest House on payment basis (free shared basis at hostels) may be provided on early request.

All the payments should be through DD/Cheque drawn in favor of "**The Registrar, IIT Mandi**" payable at Mandi, HP, India.

## IMPORTANT DATE

Last date of receiving applications	May 15 <sup>th</sup> , 2019
Notification and selection	Jun 01 <sup>th</sup> , 2019

Note: Selected candidates will be informed by fax / email, if provided.

## MANDI AND ITS CLIMATE

Mandi is a small scenic town at the center of Himachal Pradesh. It is quite near from the Himalayan resorts Kullu and Manali in Himachal Pradesh, once considered as "**The End of the Habitable World**".

The town has both mythological and historical significance. It is also referred to as "Chhota Kashi" as there are many ancient temples which have unique architecture. A few of them are on the banks of river Beas. The river Beas flows through the town and hills which gives a mesmerizing view.

**Weather at Mandi:** The weather at Mandi in Mid-June is expected to be bit humid and hot but pleasant in morning and evening time.

### How to reach:

Mandi is one of the largest cities of Himachal Pradesh and is well connected to all major cities of Himachal Pradesh, Punjab, and Delhi.

### By Road

Mandi is approachable by road from Shimla, Chandigarh, Pathankot and Delhi. There are regular bus services linking it to the other towns like Manali, Palampur, Dharamshala, etc.

**From Delhi:** State or private buses frequently leave for Mandi or Manali (via Mandi) from ISBT (Interstate bus terminus) at Kashmiri Gate.

### By Train

The nearest railway station is at Kiratpur Sahib, Punjab. Taxis to Mandi are easily available outside the railway station. Individuals can also prefer Chandigarh or Kalka Railway Stations.

## HOW TO APPLY

The duly filled registration form along with the registration fee should be sent to:

**Dr. Bharat Singh Rajpurohit**  
Indian Institute of Technology Mandi  
Mandi-175001, H.P, India  
Phone: 01905-267046 (O)/ 8894580096 (M)  
Email: [bsr@iitmandi.ac.in](mailto:bsr@iitmandi.ac.in)

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## National Workshop

On

## Real-Time Digital Simulation for Power Engineering Applications

June 13<sup>th</sup>-16<sup>th</sup>, 2019

Organized By



Coordinator  
*Dr. Bharat Singh Rajpurohit*

## INTRODUCTION

With the theme of “Real-Time Digital Simulation for Power Engineering Applications,” this event will provide an environment for research scholars, faculty members and industry personnel to know, grow, develop, experience and exchange their ideas to fortifying the technological developments. Modern power systems are progressing towards the cutting-edge technology which demands the whole new ideas in operations, power management/utilization and this makes the real time simulators inevitable. So flexible, scalable, fast and practical ground based real time digital system is the key requirement of the present electrical power systems. Here at IIT Mandi, we usually carry out our complex and critical research works fluently with such state-of-the-art real time digital simulator system. The drive of this workshop is to provide on acquaintance to the participants in the direction of real-time digital simulation used for power engineering and industrial applications. Our motive is to deliver latest and best-in-class procedural training to participants. This program will include lecture sessions, discussions on research issues by the participants, poster presentation and most importantly an intensive hands-on training on state-of-the-art digital simulators which are available in the power engineering laboratory of IIT Mandi.

## SCOPE OF THE WORKSHOP

The workshop on real-time computing is to bring together researchers working on real-time systems (under graduate and graduate students and PhD students, faculty members, postdocs, etc). The workshop provides a relaxed forum to present and discuss new ideas, to explore new research directions, and to review current trends in the real-time systems area. It is based on both short presentations and hands

on experience session to encourage stimulating discussions.

The scope of the workshop includes (but is not limited to) the following areas:

**Real-time system design and analysis:** task and message scheduling, modelling, verification, worst-case execution time estimation, distributed systems, fault tolerance, quality of service.

**Infrastructure and hardware for real-time systems:** Advance electrical machine drives, power electronics converters, power generation, transmission and distribution system.

**Software technologies for real-time systems:** compilers, programming languages and component-based technologies.

**Real-time applications:** Robotics and automation, power generation system, electrical drives and etc.

## REGISTRATION FORM

National Workshop on  
***Real-Time Digital Simulation for Power Engineering Applications***

June 13<sup>th</sup>-16<sup>th</sup>, 2019

Name \_\_\_\_\_

Date of birth \_\_\_\_\_ Designation \_\_\_\_\_

Organization \_\_\_\_\_

Address for correspondence \_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Accommodation Required: Yes/ NO (Tick one)

Hostel (payable extra)

Guest House (payable extra)

### Payment details:

Draft/ Cheque No. \_\_\_\_\_ Issuing bank \_\_\_\_\_

Amount \_\_\_\_\_ Drawn on \_\_\_\_\_

Date \_\_\_\_\_

Signature of Applicant

**\*Registration fee does not include the travel expenses of the participants.**

**\*Make photocopies of registration form if required.**