

4th International and 19th National Conference on Machines and Mechanisms (iNaCoMM 2019)

December 5-7, 2019

Organised by

School of Engineering , IIT Mandi



Under the aegis of

Association for Machines and Mechanisms



Introduction

School of Engineering, IIT Mandi, under the aegis of Association for Machines and Mechanisms (AMM), is organising 4th International and 19th National Conference on Machines and Mechanisms (iNaCoMM 2019) at IIT Mandi.

About the Conference

iNaCoMM 2019 is the 19th in the series of biennial conferences organised under the aegis of AMM with international status being given from 2013. The conference aims at bringing together researchers, industry experts and students working in various aspects of design and analysis of machines and mechanisms. This year the conference starts with a one-day workshop, the topic for the same will be announced soon. The deliberations in conference will be in terms of oral as well as poster presentations. Besides this there will be keynote lectures by the leading experts in the field. Selected papers from the conference will be published in scientific journals. Further it is planned to hold Students' Mechanism Design contest, an event that became part of iNaCoMM2019

About Mandi

Mandi is in the state of Himchal Pradesh, India. Mandi is a small historic town in the centre of Himachal Pradesh, on the national highway from Chandigarh to Kullu/Manali. The main campus of IIT Mandi is situated at the forested hills of Kamand village on the banks of the Uhl, a tributary of River Beas, which is approximately 18 kilometres away from Mandi town. The usual travel route to Mandi

is via Chandigarh from Delhi. The distance between Chandigarh and Mandi is ~200 kms. The nearest airports to Mandi are Kullu (Bhunter), Dharmshalla (Gaggal) & Chandigarh. Chandigarh is well connected with non-stop flights from Delhi, Mumbai, Hyderabad, Bangalore, Kolkata and Chennai. Mandi is ideally located near several tourist places like Kullu (70 km), Manali (100 km), Rewalsar (25 km) and Parashar lake (52 km). The month of December falls in winter season with temperature ranging between 10-18 degree C

IIT Mandi

Nestled in the Sivalik Range of the Himalayas, away from the bustle of the metropolis, a new abode of learning, IIT Mandi, has germinated in 2009. The focus of IIT Mandi is to spearhead cutting edge research and development of technologies needed by the world in the years to come. Research groups will work together in creating and harnessing the newest technologies needed to serve the people of the region and the country, and to tackle problems of global importance. In order to achieve excellence and high impact locally and globally, IIT Mandi focusing on strongly foster inter-disciplinary R&D. With a view to innovating sustainable technologies for widespread use, IIT Mandi encourages strong Humanities and Social Sciences participation in technology R&D..

Scope of the Conference

The conference will cover following broad areas, but not limited to

- Kinematics and dynamics of machines, Compliant Mechanisms

- Mechanisms and Machines for Rural, Agricultural and Industrial Applications
- Robotics and automation, standard for robotics and automation
- Space mechanism and Tribology
- Mechanism for deep sea exploration
- CAD and other related subjects
- Gear, Cams and power transmission systems
- Control of machines
- Vibration of Machines & Rotor dynamics
- Condition monitoring and failure analysis
- Fault diagnosis and health monitoring
- Surface treatments for mechanical components
- Man – Machine System, Mechatronics and Micro – Mechanisms
- Adaptronics
- Biomedical Engineering
- Acoustic & Noise
- Sustainable energy systems, Mechanism for non-conventional energy sources
- Composite and advanced materials

Following special sessions have also been planned

- Multibody Dynamics:
- Bond Graph Modelling of Mechanical and Mechatronic Systems

Call for Papers

Prospective authors are invited to submit a two-page extended abstract at the conference website (www.inacomm2019.org) by April 20, 2019. The official language of the workshop is English. Acceptance of the abstract will be communicated to the authors and they will be invited to submit the full paper in the conference template.

Advisory Committee

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Suneel K Agarwal University of Delaware, Newark

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J.K Agarwal	Bureau of Indian Standards, New Delhi
Venkitakrishnan	HQ ISRO Bangalore

Important Dates

Submission of Abstract June 15, 2019

Acceptance of Abstract	June 20, 2019
Submission of Full Paper	July 20, 2019
Notification of Provisional Decision	July 31, 2019
Submission of Revised Papers	August 31, 2019
Notification of Final Decision	September 30, 2019
Submission of Camera-Ready Paper	October 15, 2019
Registration	October 20, 2019

Registration Fees

Delegates	India (INR)	Others (USD)
Research scholar/student	3000	300
Faculty	7000	400
Others	10000	550
Concession (IFTToMM Members)	1500	100

Accommodation

Both economy/luxury class hotels are located within 20km from the conference venue. Limited accommodation is available on payment basis at IIT Mandi guest house/student hostel on first cum first basis.

Organizing Committee

Patron: Prof. Timothy A. Gonsalves, Director, IIT Mandi

Chairman Organizing Committee: Prof. S.C. Jain

Convener: Dr Rahul Vaish

Co-Convener: Dr Viswanath Balakrishnan

Organizing Secretary: Dr. Rajeev Kumar

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Joint Organizing Secretary: Dr. Himanshu Pathak

Treasurer: Dr. Vishal S. Chauhan

Contact

Dr. Rajeev Kumar, Associate Professor,
School of Engineering

IIT Mandi, Himachal Pradesh, India – 175005

Phone : +91-1905-267148(O); +91-9857407104(M)

Fax : +91-1332-285665,273560

e-mail: inacomm2019@iitmandi.ac.in;

inacomm2019@gmail.com

For update visit: <http://iitmandi.ac.in/iNaCoMM2019/>