



DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

Mangalore, Dakshina Kannada-575025, Karnataka State, INDIA



Announcement & Call for Papers

International Conference on Design, Materials & Manufacture (IcDeM 2019)

December 6-8, 2019



Conference Outline

This conference brings academicians, industrial experts, researchers, and scholars together from areas of Mechanical Design Engineering and will be organized on the occasion of Diamond Jubilee of the institute. The topics of interest includes Design, Materials and Manufacturing engineering and other related areas such as Mechatronics, Prosthetic design and Bio-inspired design and Smart materials. The conference series look forward in welcoming you to an inspiring research program at NITK Surathkal, India with the intent of emphasizing the applications of Mechanical Engineering research in the development of the global growth.

This conference will provide you a platform for learning, exchange of ideas and networking with fellow colleagues and participants across the globe in the field of Mechanical Design, Materials and Manufacture.

First International Conference on Design, Materials and Manufacture 2018 was held during 29-31 Jan 2018 at National Institute of Technology Karnataka Surathkal, Mangalore. We received overwhelming response from the authors to this conference and 129 papers were invited for oral presentation those are recommended by technical Committee. All these papers were presented in 16 parallel sessions. These parallel sessions are as per the themes listed under three groups: Mechanical Design, Materials including composites, alloys etc. and Manufacturing Technology. All papers selected for the presentation will be published in Conference proceedings of American Institute of Physics, (AIP Conference Proceedings) which is indexed in Scopus-Elsevier and others. The Organizing committee of this conference acknowledge all the authors of the articles and the support from National Institute of Technology Surathkal, SERB-DST, CSIR and other financial supporters to this Conference.

National Institute of Technology Karnataka, Surathkal

National Institute of Technology Karnataka (NITK), Surathkal is one of the premier "Institutes of National Importance" in the country fully funded by the Ministry of Human Resource Development (MHRD), Govt. of India. The institute has an impressive infrastructure with state of art facilities in all the departments for teaching, research and consultancy. The institute is located 18 kilometers north of Mangalore city. NITK nestles between the verdant mountain ranges of Western Ghats on one side and vast tranquil blue water of the Arabian Sea on the other. Weather is pleasant in the month of January with temperatures ranging from 24o to 34 oC. NITK is a focal point of visits to important places of many pilgrimage and Archeological sites. The famous Goa and Calicut beaches are just five hours drive from the campus.

Department of Mechanical Engineering

Department of Mechanical Engineering established in 1960 and is the oldest and largest department in the institute. The department has traversed the path of knowledge dissemination and generation as well as delivering over 4500 Mechanical Engineering graduates to the Nation. Over these 57 glorious years, it has carved a niche for itself in the key areas of teaching, research, consultancy, administration and community services. The Department of Mechanical Engineering prioritize the necessary revamping of Mechanical Engineering education, which is driven primarily by dynamics of technological advances and sustainable development and with active involvement of industry, alumni, research organizations and other stakeholders. Academic Programmes leading to B. Tech. degree in Mechanical Engineering, M. Tech. in Manufacturing, Design and Precision, Mechatronics and Thermal Engineering and full time/part time Ph.D. degree are currently offered by the department.

Tracks

Design Engineering: Kinematics and Dynamics of Machines, Engineering Analysis: Theoretical, Experimental & Numerical, Fatigue, Fracture and Life Cycle Analysis Vibration, Acoustics and Condition Monitoring, Thermal systems & Analysis, Product Design & Development, Materials Engineering: Smart Materials & Applications, Characterization of Alloys and Composites, Polymer Synthesis & Processing Techniques, Application Oriented Hybrid & Sandwich Composites, Nano & Bio composites, Manufacturing & Mechatronics: Precision & Mechatronics Engineering, Rapid Manufacturing & Technology, Machine Tools & Maintenance Manufacturing, Innovations CAD/CAM/CAE & Robotics, Flexible & Web Based Manufacturing.

Abstract Submission

Authors are required to submit full paper (Limited to 6pages) through email to icdem2.nitk@gmail.com. The paper should be submitted in as per the conference format given in the website.

Important dates

Submission of Full Papers: till 15 October 2019

Registration: 1 November 2019

Conference: 6-8 December 2019

Venue: NITK Surathkal, Mangalore, India

Publication

All presented and recommended papers will be published in Proceedings indexed in Scopus (Elsevier)

Registration

Academic and research participants INR 7500=00

Industry participants INR 10,000=00

Participants outside India USD250=00

The registration details will be informed on acceptance of the paper. Registration fee may be paid through NEFT transfer to the bank account or DD in favor of Director, NITK payable at Surathkal, India. Bank Account details:

Name: Director, NITK,

Current Ac. No: 10175365060,

IFSC code: SBIN 0002273

State Bank of India, SBI Surathkal, Srinivasanagar, India

Organizing Committee

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Travel

The institute is located 22 km north of Mangalore city along the Kanyakumari-Mumbai National Highway 66. It is well connected by road, rail and air to major cities in India and a few international destinations. Surathkal on the Konkan railway is the nearest railway station and is a stopover for most of the trains passing through Konkan railway. Mangalore Junction (Kankanady) and Mangalore Central railway stations are about 15 km away from campus and well connected by express bus services at every five-minute frequency. The Mangalore (Bajpe) airport is just 18 km away from the campus.

Sponsorship

As the conference will be attended by Engineering Professionals, Scientists, Administrators, Executives, Manufacturers and Managers from various Institutions, Organizations and Agencies, sponsorship for some of the events in the conference would be sought. The sponsors will be provided with space to exhibit their products at the conference venue besides coverage in the conference Souvenir and Banners around the campus based on Platinum, Gold and Silver category. Interested parties may go through the conference website for further details and contact the conference secretariat.

Accommodation

Limited accommodation may be arranged for delegates in the Institute Guest house/hostels on specific request on a first come first serve basis for which participants have to pay accommodation charges. The delegates need to book the accommodation in the hotels near by Surathkal and Mangalore on their own.

Contact for Details

Prof. G. C. Mohan Kumar
Organizing Secretary- IcDeM 2018
Dept. of Mechanical Engineering
National Institute of Technology Karnataka, Surathkal
Srinivasanagar 575025, Mangalore-DK, Karnataka State, INDIA
Email: icdem2.nitk@gmail.com

