REGISTRATION FORM

National Institute of Technology Karnataka, Surathkal
Srinivasnagar, Mangaluru 575025, India.
Central University of Karnataka, Kalaburagi
Kadaganchi Aland Road, Kalaburagi,585367, India.
Five-day International FDP on
***Modelling, processing and characterisation of composites* from**
13th to 17th September 2023.

Name:.....

Designation: .....

Organisation: .....

Mailing Address: .....

PIN: ..... Telephone: .....

Mobile: ..... Email: .....

Registration Fee paid transaction number :.....

DECLARATION BY THE PARTICIPANT

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator(s) sufficiently in advance, in case I am unable to attend the programme.

Signature of Applicant

LINK FOR REGISTRATION

LINK: https://forms.gle/ZJzisrjtNySiWgJZ9

Note: Please ensure the working of the registration link before making the payment since FDP restricted to 40 participants only- Registration fee once paid will not be refunded in case of failure to attend the FDP.

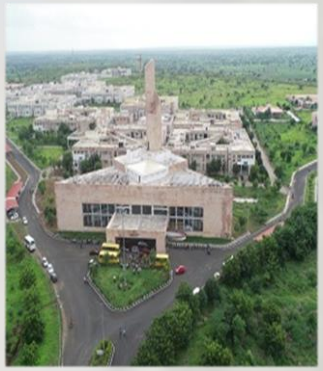
ACCOUNT DETAILS FOR FEE PAYMENT

A/C Name	: NITK Surathkal
Bank	: State Bank of India
A/C Number	: 37772503911
Branch	: NITK Surathkal
IFSC Code	: SBIN0002273

Five-day International FDP on

"Modelling, processing and characterisation of composites"

From 13th to 17th September 2023.



Chief Patrons

Prof. B. Ravi
Director
National Institute of Technology Karnataka, Surathkal
&
Prof. Battu Satyanarayana
Vice-Chancellor
Central University of Karnataka, Kalaburagi.

Jointly Organized by
Department of Mechanical Engineering
National Institute of Technology Karnataka, Surathkal
and
Central University of Karnataka, Kalaburagi

IMPORTANT DATES

Last date for receipt of application: 31st August 2023

Intimation of selection: 5th September 2023
(Via an e-mail)

IFDP VENUE: Digital Library
NITK Surathkal-575025,
Karnataka, India

CONTACT INFORMATION OF CO-ORDINATORS

Dr. Sharnappa Joladarashi
Associate Professor,
Dept.of Mechanical Engineering,
National Institute of Technology Karnataka
Surathkal
575025, Karnataka, India

Dr. Subhaschandra Kattimani
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Department of Mechanical Engineering,
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Dr. Sangamesh Rajole
Assistant Professor
Departement of Mechanical Engineering
School of Engineeering
Central University of Karnataka,
Kalaburagi-58536,Karnataka,India

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NITK SURATHKAL

Since its inception in 1960, the National Institute of Technology Karnataka (NITK), Surathkal has established itself as a premier Institution engaged in imparting quality technological education and providing support to research and development activities. NITK has conferred the status of an Institution of National Importance vide NIT Act No.29 of 2007 by Govt. of India and is consistently ranked as one of the top ten technical institutions in India. Presently, NITK offers 9 Bachelors, 28 Masters and Doctoral Degree programs. The institute is located 22 kilometers north of Mangalore City along the Kanyakumari-Mumbai National Highway-66, amid 300 acres of sylvan surrounding with the picturesque Western Ghats on the east and sun-kissed sands of the Arabian Sea to the west.

NITK is committed to enhancing the capabilities and potential of our human resources with the objective of transforming them into leaders in their chosen areas of interest. Our vision is to strive for excellence, be globally competitive in technical education and focus on knowledge assimilation, generation, and dissemination. All these years, NITK has showcased the glorious contributions in various fields of its activities and new initiatives for the coming years.

CENTRAL UNIVERSITY OF KARNATAKA, KALABURAGI

The Central University of Karnataka (CUK) has been established by an Act of the Parliament (No. 3 of 2009) at Kalaburagi, Karnataka. It is one of the 16 new Central Universities established by the Government of India during the UGC XI Plan Period to address to the concerns of 'equity and access' and to increase the access to quality higher education by people in less educationally developed districts which have a Graduate Enrolment Ratio of less than the national average of 11%.

The University has 654 acres campus, situated near Kadaganchi village in the district of Kalaburagi, Karnataka State. It is claimed that CUK is the first Central University to move to its permanent campus in a short time among the new ones. The University offers programmes in six major areas: Arts, Humanities, Social Sciences, Management, Sciences, and Engineering. The University is working towards making the campus green, energy efficient and sustainable.

ABOUT THE INTERNATIONAL FDP

This International FDP encompasses on exploring novel techniques available or implemented in modelling, processing and characterisation of composites with the motive of achieving intensified properties in fabrication of composite materials. With the emerging applications of composite materials domestically and in industry, and also requirement of up-skilling under **PMKVY 4.0.** it has become quite inevitable for all the researchers of the teaching fraternity to explore the obscured potential avenues of development in composite materials. The FDP also aims to impart the knowledge on various modelling feasibilities and solutions of threats in modelling and thereby facilitating the prospective researchers to overcome the barriers in advanced modelling of composite materials. The fracture behaviour under static condition in extreme environment and processing of electro spun polymer nanocomposites are also the integral topics of the FDP. Furthermore, the nanocomposites characterisation along with coating, laser ablation etc. will also be focussed as a part of this international FDP.

ATTENDING THE INTERNATIONAL FDP WILL HELP THE PARTICIPANT TO

- Explore the novel methods of modelling and their salient features.
- To acquaint with potential areas of improvement in gain special advantage of composite materials.
- Knowledge in modelling of composites will be appended.
- Enrich knowledge about the advancements in existing practices of processing & characterisation of composite materials.
- Identify latest technical challenges; know research updates, and prospective breakthroughs in the field of composite materials modelling, processing & Characterisation.

CONTENTS OF PROGRAMME

- **Insights to Advanced Thermoplastic Composites & their behaviour in Extreme Environments.**
- **Characterization of Composite Materials & Structures.**
- **Simulation Techniques for Engineering Problems**
- **Processing of polymer nanocomposites.**
- **Carbon nanotubes, semiconductors nanostructure, Polymer coatings.**
- **Vibration & structural acoustics of polymer Composites**
- **Multiscale Modelling of Composites**

Lectures will be delivered by the experts, Faculty & Scientists from Japan, South Korea and NITK- Surathkal India.

WHO CAN TAKE PART?

Faculties of various Govt. & Private Universities, colleges and poly-technique Institutes. Also people from industrial organisations are encouraged to apply.

HOW TO APPLY?

Interested participants are informed to apply through the Google-Form link provided on the front page of brochure, by filling the requested details. Scan the registration page duly signed by you and upload the same in the Google form. Registrations with successful fee payments are only considered for the participation.

REGISTRATION FEES: Rs.2360/- (2000+18%GST) **/** ***Person (Which includes FDP Kit & Working lunch only)***

****No of participants limited to 40 only on first come first serve basis (FCFS)***

ACCOMODATION: International Hostel Accommodation may be provided based on availability and charges of accommodation needs to be borne by the participants only.

RESOURCE PERSONS

1. Yun-Hae Kim, Professor, Korea Maritime and Ocean University, South Korea
2. Pankaj K Koinkar Associate Professor, Department of optical Science, Tokushima University Tokushima, Japan
3. Prof. More Mahendra Abhimanyu, Dept. of Physics, Savitribai Phule University Pune
4. S M Kulkarni, Professor, Department of Mechanical Engineering, NITK Surathkal
5. Gangadharan K V. Professor, Department of Mechanical Engineering, NITK Surathkal
6. S. Anandhan PhD FRSC Professor, Department of Metallurgical and Materials Engineering, NITK, Surathkal
7. S. M. Murigendrappa, Professor, Department of Mechanical Engineering, NITK Surathkal
8. Arun Mohan Isloor, Professor, Department of Chemistry, NITK Surathkal.
9. Dr. P. Jeyaraj, Associate Professor, Department of Mechanical Engineering, NITK Surathkal
10. Dr. Sanjay Kumar, Korea Maritime and Ocean University, Republic of Korea.
11. Dr. Kishora Shetty, Boeing India Private Limited, Boeing Research & Technology, Bangalore, India