THEMATIC AREAS

Automation and Robotics and allied areas

- •AUTOMATION, MECHATRONICS AND ROBOTICS
- •CAD/CAM/CAE/CIM/FMS IN MANUFACTURING
- •IOT IN MANUFACTURING
- •ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
- •FEA / FEM TECHNIQUE
- •MEMS AND NANOTECHNOLOGY

Additive Manufacturing and allied areas

- •MATERIALS FOR 3D PRINTING
- •RAPID PROTOTYPING
- •SUSTAINABLE MANUFACTURING

Nano and Smart Materials and allied areas

- •COMPOSITE AND SMART MATERIALS
- •ADVANCED MATERIAL PROCESSING AND TECHNIQUES
- •MODELLING AND OPTIMISATION TECHNIQUES
- •NANO AND MICRO-MACHINING

Energy, Environment and Sustainability

- •BIOFUELS / LUBRICANTS
- •COMPUTATIONAL FLUID DYNAMICS
- •REFRIGERATION AND AIR CONDITIONING
- •GREEN ENERGY
- •BATTERY TECHNOLOGY, ELECTRIC VEHICLES
- •COMBUSTION AND IC ENGINES

Other Areas

- •LOGISTICS AND SUPPLY CHAIN MANAGEMENT
- •PRODUCT DESIGN AND DEVELOPMENT
- •BIO MECHANICS
- •AVIATION AND UMAVs
- •VIBRATION AND ACOUSTICS
- •SHOCKWAVES & HYENTHALPY AERODYNAMICS

ORGANISING COMMITTEE

CHAIR

Dr. C. Prabhakar Reddy

Professor & Dean, School of Engineering.

CONVENER

Dr. Udaya Ravi M. Professor & Head Dept. of Mechanical Engineering.

JOINT SECRETARY

Dr. Ramachandra C. G, Associate Professor Dept. of Mechanical Engineering.

SECRETARY

Dr. Bhaskar Pal, Professor Dept. of Mechanical Engineering.

TREASURER

Dr. Mahesha K. Professor Dept. of Mechanical Engineering.

TECHNICAL ADVISORY COMMITTEE

CHAIR

Dr. C S Ramesh, Professor & Dean – R&IC

Dr. B V Prabhu, Professor & Deputy Dean (PP)

Dr. A M Surendra Kumar, Professor & COE Dr. Rajendrakumar Savanur, Professor, Dept. of Mechanical Engineering Dr Ramesh S, Professor Dept. of Mechanical Engineering



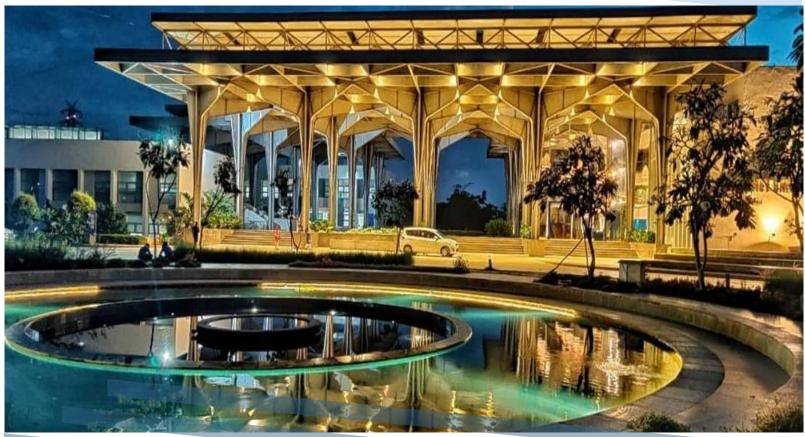
Presidency University, Bengaluru, India in association with

UCSI University, Kuala Lumpur, Malaysia

Organizing

International Conference on Futuristic Trends in Mechanical Engineering





PRESIDENCY UNIVERSITY, BENGALURU KARNATAKA, INDIA

24 & 25 APRIL, 2020

Email: icoftime2020@presidencyuniversity.in

For more information visit:

https://icoftime.presidencyuniversity.in

Advisory Board

Mr. Chandrashekar Sharma

Vice President, Kennametal India Ltd, Bengaluru.

Dr. Elango Natarajan

Professor, UCSI University, Malaysia.

Dr. M Ramji

Professor, Dept. of Mechanical Engg, IIT Hyderabad.

Dr. Mohammad Abdul Rahaman

Professor, RMIT University, Melbourne, Australia.

Dr. Parag Diwan

Former Vice Chancellor, UPES, Dehradun.

Dr. Pranesh B Aswath

Vice Provost, University of Texas, Arlington.

Dr. S Rajkumar

Sr. Vice President, Rane Engine Valve Ltd, Chennai.

Dr. Sravanthi Sashikumar

Professor

Manchester Metropolitan University, UK.

Dr. Supriyo Ganguly

Reader in Welding and Additive Materials, Cranfield University, UK.

Dr. Surjya K Pal

Professor, Mechanical Engineering, IIT Kharagpur.

Dr. Wei Hong Lim, Professor and Head, Dept of Mechanical and Mechatronics Engineering, UCSI University, Malaysia.

Dr. E S Dwarakadasa

Emeritus Professor, IISc, CEO & MD, Karnataka Hybrid Micro Devices, Bengaluru.

Dr. G Jagadeesh

Professor, Aerospace Dept., IISc, Bengaluru.

Dr. Manoj Gupta

Associate Professor, Dept. of Mechanical Engg, National University of Singapore.

Dr. Nikhil Ranjan Dhar

Professor, Department of IPE, Bangladesh University of Engineering & Technology, Dhaka.

Dr. Pradyumna Ghosh

Professor, Dept. of Mechanical Engg,, IIT BHU.

Dr. Ramakrishna Koganti

Dean, Students Affair, University of Texas, Arlington.

Dr. S Ganesh Sundara Raman

Professor, Dept. of Metallurgical and Materials Engineering, IITM. Chennai.

Dr. Srinath Beldona

Associate Dean for Academic Affairs and Professor of Management, University of Dallas.

Dr. U Chandrashekhar

Program Director, AddWize Wipro 3D Bangaluru.

Dr. Zulfiqar A Khan

Professor of Design, Engineering & Computing, Bournemouth University, UK.

CHIEF PATRONS

Mr. Nissar Ahmed, Chancellor Mr. Salman Ahmed, Vice President PATRONS

Dr. Vijayan Immanuel, Pro ChancellorDr. Radha Padmanabhan, Vice ChancellorDr. Ishwar Bhat, Pro-Vice ChancellorMr. A Abdul Bari, Registrar In - charge

About the Conference

ICOFTIME 2020, the 1_{st} edition of the **International Conference and Exhibition**, brings together leading scientists, researchers, engineers, technology developers to exchange information on their latest **research activities and innovation**. Participants from top national/international academic, government and private industry and labs of different disciplines participate in **ICOFTIME 2020** to identify new technology trends, development tools, product opportunities, R&D collaborations etc. It is an **excellent event for faculty and students** to meet and discuss with lead researchers. The conference provides an unprecedented opportunity to discover innovation in the area of recent developments in Mechanical Engineering and new business opportunities.

The conference covers all frontier topics in mechanical engineering. The conference includes Keynote addresses, Plenary lectures and Invited talks by eminent personalities from around the world in addition to contributed papers, both oral and poster presentations.

Authors are requested to submit the abstract or full-length research paper within 25th March 2020:

https://easychair.org/conferences/?conf=icoftime2020

Selected papers will be published in Scopus/Elsevier indexed International Journal of repute/Springer Proceedings/IOP Conference Series: Materials Science and Engineering (MSE). Other papers will be considered for Poster Presentation and will be published in Conference Proceedings. Option of publishing in other Journals is kept open.

Speakers

Mr. Chandrashekar Sharma

Vice President, Kennametal India Ltd., Bengaluru.

Dr. Jyotishkumar Parameswaranpillai

Research Professor, King Mongkut's University, Thailand.

Dr. Nikhil Ranjan Dhar

Professor, Department of IPE, Bangladesh University of Engineering & Technology, Dhaka.

Dr S Rajkumar

Sr. Vice President, Rane Engine Valve Ltd, Chennai.

Dr. Zulfigar A Khan

Professor of Design, Engineering & Computing, Bournemouth University, UK.

Dr. Elango Natarajan

Professor, UCSI University, Malaysia.

Dr Manoj Gupta

Associate Professor, Department of Mechanical Engineering, National University of Singapore.

Dr S. Ganesh Sundara Raman

Professor, Dept. Metallurgical and Materials Engineering, IITM, Chennai.

Dr. Wei Hong Lim

Professor and Head, Dept. of Mechanical and Mechatronics Engineering, UCSI University, Malaysia.