Important Dates:

March 15, 2021	Last date for the receipt of abstracts
April 30, 2021	Intimation of acceptance of abstracts
June 30, 2021	Last date for receipt of full length papers
August 30, 2021	Intimation of acceptance of full paper
September 30, 2021	Last date for receipt of camera ready paper

Registration Fees:

Fees (Without GST)	Foreign Participants (in US $)		Indian Participants (in INR)	
	Before Sep 30, 2021	After Sep 30, 2021	Before Sep 30, 2021	After Sep 30, 2021
Students/ Research Scholars	$ 150	$ 200	₹ 2000	₹ 3000
Faculty Members/ Industry participants	$ 450	$ 500	₹ 5000	₹ 6000

Accommodation:

Accommodation will be provided in B.M.S.C.E hostels on first-come-first-serve basis. Adequate lodging and boarding facilities are also available within a radius of 5 KM from the conference venue. Public transport facility is available from hotels to the conference venue along with local taxi/cabs.

Conference Venue:

Platinum Jubilee Academic Block
B.M.S.C.E, Bengaluru – 560019, Karnataka, India

Call for Papers:

Original papers that deal with all aspects of Vibration Engineering and Technology of Machinery are solicited. Topics include but are not limited to:

- Composites and Nano-structures
- Vibration and Acoustic Control
- Signal Processing and parameter estimation
- Rotor Dynamics
- MEMS, Smart Structures and Systems
- Compliant Mechanisms and Topology Optimization
- Mini Power Trains and Unmanned Vehicles
- Micro Turbines and Plasma Jet Engines
- Vibration and Waves
- Multi-Physics and Flexible Multi Body Dynamics
- Wave Propagation
- Non-Linear Vibrations
- Guidance, Navigation and Control Technologies
- Vehicle Dynamics
- Probabilistic Models
- Fluid Structure Interactions
- Condition Monitoring and Machinery Diagnostics
- Fracture, Fatigue and Damage Mechanics
- Flutter and Aero Elasticity
- Prognostic Health Management

Selected papers from VETOMAC-2021 will be further reviewed and published by **Springer** in the domain of Vibration Engineering and Technology.

Pre-Conference Workshop:

Pre-Conference workshops in line with the theme are being organized prior to the conference dates. The pre-conference workshops will be on vibration & acoustics, condition monitoring, rotor dynamics, composites and smart structures. The workshops will be conducted by well-known researchers from the academia and industry.

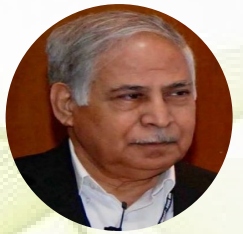
XVI INTERNATIONAL CONFERENCE ON VIBRATION ENGINEERING & TECHNOLOGY OF MACHINERY

VETOMAC – 2021

December 16-18, 2021

Conference Theme

Integrated Vehicle Health Management



In memory of

Prof. J. S. Rao

On the occasion of

75th Year of BMSCE

Platinum Jubilee
B.M.S. COLLEGE OF ENGINEERING
BANGALORE - 560019
2020 - 2021

Organised by

Department of Mechanical Engineering &
Department of Aerospace Engineering

B.M.S . College of Engineering
Bengaluru, Karnataka, India

In Association with

TVII
The Vibration Institute of India

Indian Institute of Technology Guwahati

Indian Institute of Technology Patna

About the conference:

The first International Conference on Vibration Engineering and Technology of Machinery (VETOMAC) was organized at IISc Bangalore, India, in the year 2000 with the intention of encouraging scientific and technical cooperation and exchange across the globe. The 16th VETOMAC will be held at B. M. S College of Engineering, Bengaluru, India, during 16th to 18th December 2021. This conference is the sixteenth in the series of annual symposia that started in Bengaluru, India (2000), and were subsequently held in Mumbai, India (2002), Kanpur, India (2004), Hyderabad, India (2007), Wuhan, China (2009), New Delhi, India (2010), Hong Kong (2011), Vaddeswaram, India (2012), Nanjing, China (2013), United Kingdom (2014), Taiwan (2015), Polland (2016), Queensland, Australia (2017), Lisbon, Portugal (2018), and Curitiba, Brazil (2019).

This conference has emerged as a popular international forum to promote vital exchange of knowledge, ideas and information on the state of the art developments and applied technologies of concurrent machinery dynamics related problems in mechanical, automotive and aerospace domains. The conference includes invited keynote lectures by distinguished experts from across the globe. There will be plenary and keynote sessions and a large number of parallel technical sessions spread over the conference period. It will bring together researchers and practitioners from academia, research institutions and industry to exchange experiences, disseminate information, and explore new opportunities in this domain. The organizers believe that the 16th Vibration Engineering and Technology of Machinery (VETOMAC-2021) will stimulate researchers while furthering cooperation among investigators in the field of machinery dynamics.

For more details, visit https://vetomac.com/

About BMS College of Engineering, Bengaluru:

The BMS College of Engineering is the first private engineering college in India, established by the great visionary and philanthropist, Late Sri. B. M. Sreenivasaiah in the year 1946, located near the historical Bull Temple in Basavanagudi, in Bangalore. BMSCE is an autonomous institute affiliated to Visvesvaraya Technological University, Belagavi and approved by All India Council for Technical Education, New Delhi. In fact it is the first few institutions in the India to be bestowed with NBA in Tier-I Format (Washington Accord) in the year 2013. The institute is accredited by National Assessment and Accreditation Council (NAAC) with highest grade of A++ in the second Cycle with a CGPA of 3.83 on a scale of four. The institution is a proud recipient of TEQIPIII (World Bank Funded Project) after successful participation in TEQIP-I and II Projects. BMSCE is the only partner institution in the country associated with the Melton Foundation, USA which promotes cross-cultural learning for selected students along with peers from five other countries. BMSCE is one of the most preferred higher educational destinations for students from all across the country and also attracts students from South Asian and African countries.The Institution is in its **75th year** of dedicated service in the field of Engineering Education. BMSCE is currently offering Thirteen UG, Sixteen PG programs and doctoral programs for different disciplines apart from industrial research.

For more details, visit http://www.bmsce.ac.in/

About Prof. J.S. Rao:

Late Prof. Jammi Srinivasa Rao (1939-2020) popularly known as JS in the field of Vibration Engineering was first person to acquire doctorate in Design stream from IIT Kharagpur in independent India. He was a Distinguished Professor of rotor dynamics and vibration engineering at IIT-Delhi, Counselor-Science and Technology at the Indian Embassy of USA, Washington DC, Visiting Professor at various universities abroad and Consultant to over 30+ industries. He is one of the 13 founding fathers of the International Federation for the Promotion of Mechanism and Machine Science (IFToMM) Poland in 1969. He established 'The Vibration Institute of India' (TVII). An international scientific journal launched by him in 2002 has groomed itself into yearly six volume Journal of Vibration Engineering & Technologies (JVET) co-published with Springer. His authorship includes 200+ reputed journal and 300+ conference papers and 22 machinery dynamics books.

Prof. Rao was instrumental in initiating, collaborating and promoting the Vibration Engineering and Technology of Machinery (VETOMAC) conference since its inception in 2000 until 2019. B.M.S.College of Engineering will be organizing this prestigious conference in the memory of Prof. J. S. Rao (who was also an INAE Distinguish Professor at BMSCE) and on the occasion of Platinum Jubilee Celebrations of the institution.

About Bengaluru:

Bengaluru is the capital of India's southern state of Karnataka. It is called garden city of India known for its parks and nightlife. It is the Silicon Valley and Aerospace hub of India.

Bengaluru usually enjoys moderate climate throughout the year, the weather in Bengaluru in the month of December is generally very pleasant and serene. Some of the tourist attractions in and around Bengaluru are:

Cubbon Park, Vidhana Soudha, Lalbagh, Botanical Lumbini Gardens, Bannerghatta National Park, ISKCON Temple, Bull temple, Bangalore Fort and many more exciting tourist attractions.

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Donor Trustee and Chairperson, BMSET

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: Dr. Karisiddappa,
Vice Chancellor, VTU Belagavi

Conference Chair : Prof. Nalinaksh S. Vyas, IIT Kanpur

Conference Co-Chair : Dr. V. Arun Kumar, B.M.S.C.E, Bengaluru & TVII

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Dept. of Mechanical Engg. B.M.S.C.E Bengaluru,

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Prof. Mayank Tiwari, IIT Patna

Contact Person:

Dr. Rudra Naik
Organizing Secretary,
Department of Mechanical Engineering
B.M.S. College of Engineering, Bengaluru
Phone No: +91 9449611692
Email:vetomac2021@bmsce.ac.in