

# COUNCIL OF VIBRATION SPECIALISTS

(Non-profit, Section 8, Companies act 2013, MCA, GoI)

&

Agnel Charities'

*Fr. C. Rodrigues Institute of Technology, Vashi*

(AICTE Approved, NBA & NAAC Accredited, Ranked by NIRF)



Jointly present



# INVEST 22

International Conference

on

Vibration Engineering, Science, and Technology

9<sup>th</sup> – 10<sup>th</sup> December 2022

**COUNCIL OF VIBRATION SPECIALISTS**

Premise of Center for Reliability and Diagnostics  
802, ZION, Plot 273, Sector 10, Navi Mumbai, Maharashtra 400 210

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## CONFERENCE TRACKS AND SESSIONS

The deliberations in INVEST 22 are grouped into various Sessions which correspond to research and application domains in Vibration Engineering, Science, and Technology.

- Vibration Monitoring and Diagnostics – Turbomachinery, Pumps, Blowers
- Vibration, SHM and Diagnostics – Static Structures (on-shore and off-shore)
- Sensors, Sensing Systems and Calibration
- Human Health and Bio-Medical Engineering equipment
- Energy Harvesting from Vibrating Mechanisms
- Education, Training, and Certification
- Structures under Blast and Impact
- Tall Structures, High Rises, Transports including Aerospace, Rail & Road
- Renewable or Green Energy – hydrogen, wind and solar power
- Technology, ML & AI, Predictive Analytics in Industry 4.0
- Vibration and Noise - Control and Isolation
- Vibrations in Electrical and Electronic Systems
- Computational Methods and Probabilistic Models in Vibration Analysis
- Measurement by high freq. sensors (pressure, current, ultrasound, acoustics, strain etc.)
- Miscellaneous/Inter-disciplinary areas in Vibration, Reliability, Asset Management

## IMPORTANT DATES

Event	Date
Online Paper Submission Begins	July 15, 2022
Last Date of Paper Submission	August 31, 2022
Notification of Acceptance	October 31, 2022
Registration & Camera Ready Paper Submission Begins**	November 1, 2022
Last Date of Registration & Camera Ready Paper Submission	November 15, 2022
Dates of Conference	December 9-10, 2022

## REGISTRATION DETAILS

Category	Fee (Excluding GST)
Industry delegate (Author presenting)	Rs. 7500/-
Industry delegate (Non-presenting)	Rs. 4000/-
Engineering College Faculty/ Govt. Organization (Author presenting)	Rs. 5000/-
Engineering College Faculty/ Govt. Organization (Non-presenting delegates)	Rs. 2500/-
Student (Author presenting)	Rs. 2500/-
Student (Non-presenting delegates)	Rs. 2000/-
Delegate from Abroad (Author presenting)	USD 200/-
Delegate from Abroad (Non-presenting)	USD 150/-

*All the papers presented in the Conference will be published in a SCOPUS Indexed Digital Library / Book. Selected full-length papers will be published in a Journal.*

- CVS members may avail a discount of 10% on Registration Fees.
- All the participants may avail an early bird discount of 10% on the Registration Fees, if registered on or before September 15, 2022.

{Discount to CVS Members: 10% regular + 10% early bird = Total 20%}

{Discount to Non CVS members: Total 10% early bird}

## ADVISORY COMMITTEE

Dr. T. G. Sitaram	Director & Professor	Indian Institute of Technology Guwahati, Assam (India)
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Dr. Srinivas Voggu	Principal Sr. Scientist	Structural Engineering Research Centre, CSIR, Chennai

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Dr. Chinmaya Kar	Reliability and CBM Consultant	Honeywell International, Abu Dhabi, UAE
Dr. Arun Jalan	Prof of Mechanical Engineering	BITS, Pilani, Rajasthan

## CONFERENCE CHAIRS

Dr. Nitesh P. Yelve	Chair - Conference & Symposium	Council of Vibration Specialists (IIT Bombay, Mumbai)
Dr. Aqleem Siddiqui	Associate Professor	Fr. C. Rodrigues Institute of Technology, Vashi, Mumbai)

## ABOUT CONFERENCE

It is proposed to organize the International Conference on Vibration Engineering, Science, and Technology (INVEST 22) through the joint efforts of Council of Vibration Specialists (CVS) and Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, INDIA (FCRIT). The conference will be held at FCRIT Vashi in physical mode on December 9-10, 2022. The deliberations in INVEST 22 will emphasize on the thrust areas from the field of vibrations. All the papers orally presented in the Conference will be submitted for inclusion into Lecture Notes in Mechanical Engineering (proposed) which is a SCOPUS indexed digital library. The conference committee has also instituted the Best Paper Award (open to all) and Young Researcher Award (for students) in each theme of INVEST 22 to appreciate the hard work and dedication of the researchers towards carrying out novel research. The conference will also felicitate outstanding Vibration Experts.

## ABOUT CVS

Council of Vibration Specialists (CVS), a non-profit organization (first of its kind in the country exclusively on Vibration) has been formed by some expert professionals dedicated to Vibration Science and Engineering, both from academia and industry, in order to scale up the reach of this inter-disciplinary specialization. There could be need to address design-reviews/reengineering in systems/components from the site-experiences of vibration-induced flaws, to bring an awareness in every industry on huge energy-savings possibilities from machines with undesired high vibration and to speed up the vibration diagnostics and prognostics mechanism to a higher level of accuracy through the effective management of vibration knowledge, empowering the engineers with necessary world-class skills and theoretical inputs along with specialized certifications on Vibration.

## ABOUT FCRIT

Fr. C. Rodrigues Institute of Technology (FCRIT) was established in 1994 in the heart of Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values in its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an "A" grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the Mumbai University and offers five undergraduate engineering programmes, namely Computer, Mechanical, Electronics & Telecommunication, Electrical, and Information Technology, and three postgraduate engineering programmes. The institute is also a Mumbai University approved PG study & Research Centre in the three engineering disciplines of Mechanical, Electronics & Telecommunication, and Electrical.

## CONFERENCE VENUE

**Agnel Charities'**  
**Fr. C. Rodrigues Institute of Technology**  
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**Visit [www.fcrit.ac.in](https://www.fcrit.ac.in)**  
**Distance from C.S. International Airport- 23 Km**  
**Distance from Vashi Railway Station: 1.8 Km**  
**Distance from Vashi Bus Depot: 0.5 Km**



## CONTACT US

For Additional Information visit  
For any queries, email to

[www.invest-cvs.fcrit.ac.in](http://www.invest-cvs.fcrit.ac.in) or [www.covs.in](http://www.covs.in)  
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