



The 6th International Conference on Dynamics, Vibration and Control (ICDVC 2022)

First Announcement and Call for Papers
Shanghai, China | Oct 21~24, 2022

GENERAL INFORMATION

ICDVC-2022, the 6th International Conference on Dynamics, Vibration and Control, hosted by The Chinese Society of Theoretical and Applied Mechanics and National Natural Science Foundation of China, and organized by Shanghai Jiao Tong University, will be held on October 21-24, 2022 in Shanghai, China.

The ICDVC is held every four years. Like its five predecessor events held in Beijing (1990 and 2006), Hangzhou (2010), Shanghai (2014), and Shijiazhuang (2018), ICDVC-2022 is organized by Shanghai Jiao Tong University. The ICDVC-2022 will provide an excellent opportunity for engineers and scientists working in the field of dynamics, vibration and control to come together and exchange ideas about their profession.

Dynamics, vibration and control composes of an active sub-discipline of mechanics, and ICDVC-2022 is devoted to the significant research field. The aim of ICDVC-2022 is to bring together the international leading scientists of dynamics, vibration and control communities, both theoreticians and experimentalists, and to present their original research work of very high quality. The themes of the

conference are intended to be broad enough so as to cover most of the fields in dynamics, vibration and control, promoting wide interactions among different academic disciplines. Mathematical theory, numerical simulation, physical experiments, engineering design, information technique, biological and financial studies, and other various applications are included in the main program of the conference. The conference also provides an excellent opportunity to researchers from different fields of science and engineering, both experts and new comers, for sharing ideas, experience and progress, and exploring new directions and problems among specialists in these fascinating subjects.

Due to the pandemic, ICDVC-2022 will be in the hybrid form, with both “live, in person” and “virtual, online” programs. For the international participants who cannot visit Shanghai to attend the conference physically, they can present their research online. Both oral and poster presentations will be included in the conference program. Internationally leading experts will deliver keynote lectures at the ICDVC-2022. It is expected that over 500 participants from various countries will attend the conference.

Conference Chair

- Prof. Haiyan Hu, Beijing Institute of Technology, China

Executive Chair

- Prof. Guang Meng, Shanghai Jiao Tong University, China

Conference Secretary

- Prof. Wenming Zhang, Shanghai Jiao Tong University, China

Hosted by

- The Chinese Society of Theoretical and Applied Mechanics
- National Natural Science Foundation of China

Organized by

- Shanghai Jiao Tong University
- School of Mechanical Engineering
- State Key Laboratory of Mechanical System and Vibration

TOPICS OF THE CONFERENCE

GENERAL SESSIONS

- Analytical mechanics
- Nonlinear dynamics and motion stability
- Nonlinear dynamics of high dimensional systems
- Complex dynamics of novel material structures
- Nonlinear vibration and control
- Stochastic dynamics and control
- Multi-body dynamics
- Aerospace dynamics and control
- Transport systems and equipment dynamics
- Rotor dynamics
- Neurodynamics
- Dynamical design and inverse problem
- Robotic dynamics and control
- Wave dynamics and control
- Micro/nano sensing and actuating technology
- Vibro-acoustic theory and control for underwater structures
- Fluid-structure coupling dynamics and control
- Intelligent operation and maintenance and service reliability
- Dynamics of micro/nano systems
- Dynamic design theory and analysis method based on data driven /artificial intelligence
- Dynamics calculation and analysis software
- Vibration and acoustic control of metamaterials and superstructures

INTERDISCIPLINARY SESSIONS

Soft matter system dynamics \ Dynamic environmental test technology \ Vibration energy harvesting and intelligent sensing

SCHEDULE OF THE CONFERENCE

IMPORTANT DATES

Abstracts Due	Apr. 30, 2022	Notification of Paper Acceptance	Aug. 15, 2022
Notification of Abstract Acceptance	May 31, 2022	Invitation Letter for VISA Application	Aug. 15, 2022
Early-bird Registration Deadline	Jun. 15, 2022	Final Manuscript Due	Sep. 15, 2022
Draft Full Paper Due	Jul. 15, 2022	Onsite Registration	Oct 21~23, 2022
		Conference Date	Oct 21~24, 2022

SUBMISSIONS

Participants are invited to submit short abstracts on any of the conference topics. Short abstracts should be informative and carefully prepared, and new insights should be highlighted. The authors of ICDVC-2022 conference papers need to use the Microsoft Word or Latex template (download from the conference website) to prepare their conference papers, and subsequently convert their papers into PDF files for submissions to the ICDVC-2022 official website <https://icdvc.sjtu.edu.cn>.

CONTACT US

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REGISTRATION FEES

Students	¥2100
Others	¥3150

CONFERENCE WEBSITE

<https://icdvc.sjtu.edu.cn>