# CSVE 2024 Academic Activity Planner

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| Number | Event Name | Main Content | Date | Scale | Location | Main Organizers &  Co-organizers |
| 1 | 4th International Conference on Vulnerability and Risk Analysis and Management (ASCE-ICVRAM-ISUMA 2024) | Exchange of the latest research progress in vulnerability and uncertainty modeling (held every four years) | April 25-28, 2024 | 200 participants | Shanghai, China | **Hosted by**: American Society of Civil Engineers (ASCE)  **Organized by**: Tongji University  **Co-organized by**: Committee on the Society of Random Vibration, CSVE |
| 2 | Nonlinear Vibration Forum | In-depth discussion on the latest developments, trends, and scientific challenges in nonlinear vibration research, providing a platform for experts and scholars to exchange ideas. | April 2024 | 150-200 participants | Chengdu, Sichuan Province, China | **Hosted by**: Committee on the Society of Nonlinear Vibration, CSVE  **Organized by**: University of Electronic Science and Technology of China |
| 3 | Academic Conference of the Dynamic Signal Analysis Committee | Deliberation of the cutting-edge directions and trends in theoretical methods for dynamic signal analysis, as well as advancements in significant fields. Organize five relevant academic presentations. | April 2024 | 50 participants | Guangzhou, Guangdong Province / Xi’an, Shaanxi Province, China | **Hosted by**: Committee on the Society of Dynamic Signal Analysis, CSVE  **Organized by**: South China University of Technology; Xi’an Jiaotong University |
| 4 | 19th National Modal Analysis and Testing Conference, combined with 3rd National Dynamics Design and Inverse Problem Seminar | Exchange of modal analysis and testing and dynamics design and inverse problem research progress, theories, and new technologies. | May 2024 | 300 participants | Zhoushan, Zhejiang Province, China | **Hosted by**: Committee on the Society of Modal Analysis, CSVE  **Organized by**: Zhejiang University; Harbin Institute of Technology; Zhejiang Vibration Engineering Society |
| 5 | 16th National Rotor Dynamics Symposium (ROTDYN2024) | Encompassing rotor dynamics fundamentals, rotating machinery vibration analysis and control, fault diagnosis, rotor system testing, aircraft engine and gas turbine rotor systems, bearings, gears, transmission systems, and other interdisciplinary research, the symposium focuses on rotor dynamics. | May 17-19, 2024 | 500 participants | To be determined | **Hosted by**: Committee on the Society of Rotor Dynamics, CSVE  **Organized by**: To be determined |
| 6 | 14th National Conference on Random Vibration Theory and Applications, combined with the 13th National Conference on Random Dynamics | Aiming to exchange the latest research progress in the fields of random vibration and random dynamics. Held every two years. | May 2024 | 300 participants | Xi’an, Shaanxi Province, China | **Hosted by**:China Society for Vibration Engineering (CSVE)  **Organized by**: Committee on the Society of Random Vibration, CSVE; Key Laboratory of Complexity Science in Aerospace (Northwestern Polytechnical University) |
| 7 | 5th Youth Forum of the CSVE Fault Diagnosis Committee | Providing a platform for young scholars in the field of fault diagnosis to exchange academic ideas. | May 2024 | 50-80 participants | Beijing, China | **Hosted by**:Committee on the Society of Fault Diagnosis, CSVE  **Organized by**: Beijing University of Technology; Xi’an Jiaotong University; Tsinghua University |
| 8 | 2024 CSVE Human-Induced Vibration Engineering Young Scholars Forum | Invite three or more renowned young experts and scholars to give special presentations and conduct roundtable meetings. Also, engage well-known experts in the field in in-depth discussions with young scholars. | May/June 2024 | 50-100 participants | Online | **Hosted by**:Committee on the Society of Human-Induced Vibration Engineering, CSVE  **Organized by**: Zhejiang University |
| 9 | 2nd National Conference on Dynamic Loads and Design | Facilitate in-depth communication and discussion regarding the latest developments, trends, and critical scientific issues in the field of dynamic loads and design. Strengthen communication among scholars and promote the advancement of theoretical methods and experimental techniques related to dynamic loads and design in China. | May/October 2024 | 150 participants | Tianjin, China | **Hosted by**: Committee on the Society of Dynamic Loads and Design, CSVE  **Organized by**: Tianjin University |
| 10 | 2024 China Packaging Industry-University-Research Collaborative Innovation Conference | Foster collaborative innovation between industry, academia, and research in the field of packaging. | June 2024 | 500 participants | Hangzhou, Zhejiang Province, China | **Hosted by**: China Packaging Federation  **Organized by**: Committee on the Society of Packaging Dynamics, CSVE |
| 11 | International Summer Workshop on Engineering Reliability and Stochastic Mechanics | Targeting graduate students and engineering professionals from universities and research institutes, this workshop focuses on training in engineering reliability, stochastic mechanics theory, methods, and techniques. It is held annually. | July 16-22, 2024 | 120 participants | Shanghai, China | **Hosted by**: Joint Committee on Structural Safety (JCSS), Tongji University  **Organized by**: School of Civil Engineering, Tongji University  **Co-organized by**: Committee on the Society of Random Vibration, CSVE |
| 12 | 12th National Conference on Magnetic Levitation Technology and Vibration Control | Domestic academic conference | July 26-29, 2024 | 400-500 participants | Zhuhai/Shenzhen, Guangdong Province, China | **Hosted by**: Committee on the Society of Magnetic Levitation Technology and Vibration Control, CSVE  **Organized by**: Gree Electric Appliances Inc. of Zhuhai; Shenzhen University |
| 13 | National Workshop on High-Dimensional Nonlinear Dynamics | Discussion of recent research progress in high-dimensional nonlinear dynamical systems, scientific questions, and discipline development. Addressing challenges encountered during current research. | July 2024 | 100-150 participants | Hohhot, Inner Mongolia Autonomous Region, China | **Hosted by**: Committee on the Society of Nonlinear Vibration, CSVE  **Organized by**: Inner Mongolia University of Technology |
| 14 | National Seminar on Vibration Course Development and Teaching | Exchange experiences in developing and teaching vibration-related courses, share advanced educational research outcomes, and promote talent development in dynamics. Provide a learning platform for young teachers. | July 2024 | 50-100 participants | Harbin, Heilongjiang Province, China | **Hosted by**: Committee on the Society of Education Working, CSVE  **Organized by**: School of Astronautics, Harbin Institute of Technology |
| 15 | Academic Discussion on Mechanical Dynamics | Academic Discussion Forum | August 2024 | 180 participants | To be determined | **Hosted by**: Committee on the Society of Machine Dynamics, CSVE  **Organized by**: To be determined |
| 16 | 3rd Space Structures Youth Academic Forum | Invite 15 young scholars to present academic exchange reports. | August 2024 | 100 participants | Xi’an, Shaanxi Province, China | **Hosted by**: Committee on the Society of Spacecraft Vibration and Control, CSVE  **Organized by**: China Academy of Space Technology (Xi’an Branch); Shaanxi Society of Mechanical Engineering (Space Mechanical Engineering Branch) |
| 17 | 18th National Conference on Equipment Fault Diagnosis | Academic exchange in the field of fault diagnosis. | August 2024 | 800-1000 participants | Dali, Yunnan Province, China | **Hosted by**: Committee on the Society of Fault Diagnosis, CSVE  **Organized by**: Kunming University of Science and Technology, Tsinghua University |
| 18 | 2024 Annual Conference of the Dynamic Testing Committee | Exchange the latest domestic and international technological developments and national development plans and policies in the field of mechanical engineering testing. | August 2024 | 150 participants | To be determined | **Hosted by**: Committee on the Society of Dynamic Measurement, CSVE  **Organized by**: To be determined |
| 19 | 2nd National Conference on Human-Induced Vibration Engineering Theory and Technical Applications | Call for academic papers; exchange the latest theories, engineering applications, and interdisciplinary research results related to human-induced vibration engineering. | September/October, 2024 | 300 participants | To be determined | **Hosted by**: Committee on the Society of Human-Induced Vibration Engineering, CSVE  **Organized by**: To be determined |
| 20 | 9th International Symposium on Reliability Engineering and Risk Management (ISRERM 2024) | Exchange the latest research progress in reliability and risk analysis. Held every two years. | October 18-21, 2024 | 300 participants | Hefei, Anhui Province, China | **Hosted by**: Hefei University of Technology, Tongji University  **Organized by**: Hefei University of Technology, Tongji University  **Co-organized by**: Committee on the Society of Random Vibration, CSVE |
| 21 | 5th National Symposium on Impact and Protective Engineering | Inviting domestic experts and scholars from fields such as aerospace, aviation, weaponry, and transportation to exchange the latest research and application achievements, aiming to create ‘The Pillars of a Great Power’ | October 2024 | 180 participants | To be determined | **Hosted by**: Committee on the Society of Impact and Protective Engineering, CSVE  **Organized by**: Beijing Institute of Technology |
| 22 | 10th National Conference on Structural Vibration Control and Health Monitoring | Academic exchange in the field of structural monitoring, control, and maintenance. | November 8-10, 2024 | 500 participants | Xiamen, Fujian Province, China | **Hosted by**: Committee on the Society of Structural Vibration Control and Health Monitoring, CSVE  **Organized by**: Xiamen University; Shantou University; Huaqiao University |
| 23 | 6th National Conference on Deployable Space Structures | 1. Inviting no fewer than 10 renowned domestic experts and scholars to deliver keynote speeches. 2. Organizing 5 parallel sessions for 5 research topics and inviting corresponding domain experts to present academic reports. 3. Selecting outstanding papers for recommendation to domestic core journals. | November 2024 | 350 participants | Shenzhen, Guangdong Province, China | **Hosted by**: Chinese Society for Vibration Engineering  **Organized by**: China Academy of Space Technology (Xi’an Branch); Sun Yat-sen University; Committee on the Society of Spacecraft Vibration and Control, CSVE; Shaanxi Society of Mechanical Engineering (Space Mechanical Engineering Branch) |
| 24 | Nonlinear Vibration Forum | In-depth exploration of the latest developments, trends, and challenging scientific issues in the field of nonlinear vibration. Provide a platform for exchange among experts and scholars. | November 2024 | 150-200 participants | Xiamen, Fujian Province, China | **Hosted by**: Committee on the Society of Nonlinear Vibration, CSVE  **Organized by**: Huaqiao University |
| 25 | 10th Standing Council Meeting (Second Session) | Exchange society-related work and deliberate relevant matters. | May 2024 | 50-80 participants | To be determined | **Hosted by**: Chinese Society for Vibration Engineering |
| 26 | 10th Council Meeting (Second Session) | Exchange academic and society-related work, and deliberate relevant matters | November 2024 | 150-200 participants | To be determined | **Hosted by**: Chinese Society for Vibration Engineering |