

With the development of mathematics, physics and engineering interdisciplines, nonlinear vibration and control become the essential issue of researchers' concerns in engineering practice. They provide new ideas, new methods, and also extend to multiple applications in an increasing number of fields, including applied mathematics, dynamics and control, information science and engineering interdisciplines.

We invite scientists in the field of nonlinear vibration and control to exchange their recent research results and to discuss advances in the theory, experiment and computational methods. Contributions on all aspects of nonlinear vibration and control are welcome. The main topics include but are not limited to:

- Periodic Solutions, Bifurcation, Chaos and Fractals;
- Normal Form and Hypernormal Form;
- Nonlinear Vibrations and Control;
- Dynamics of Continuous, Discrete, Piecewise and Delay Systems;
- Design and Analysis of Various Structures and (Meta-) Materials;
- Mathematical and Numerical Algorithms;
- Data Visualization and Artificial Intelligence.

#### **Organizers:**

##### **Jing Li**

Interdisciplinary Research Institute, Faculty of Science, Beijing University of Technology, Beijing, China

**Scientific Interests:** Differential Equations and Dynamical Systems; Nonlinear Dynamics; Artificial Intelligence; Mathematics and Interdisciplinary Sciences

##### **Kuan Lu**

School of Mechanics, Civil Engineering and Architecture, Northwestern Polytechnical University, Xi'an, China

**Scientific Interests:** Nonlinear Dynamics; Nonlinear Vibration and Control; Rotor Dynamics; Vibration Control of Devices and Fastenings