EDITORIAL

Inaugural Editorial: *Journal of Nonlinear Dynamics and Applications*

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It is with great pleasure that we present to you our inaugural issue of *Journal of Nonlinear Dynamics and Applications* (*JNDA*). The topics of nonlinear dynamics mainly include stability, bifurcation, chaos and control of nonlinear systems. Before the 1950s, the researches on nonlinear dynamics were in the preliminary stage. In 1963, the formal proposal of chaos theory marked a major breakthrough in nonlinear dynamics. After the 1980s, nonlinear dynamics has been widely applied in physics, chemistry, biology, engineering and other fields. Since the 21st century, complex network dynamics, nonlinear control, intelligent control and other researches have become the hot topics, promoting the cross-disciplinary development of artificial intelligence, neuroscience, control science and other fields. Today, nonlinear dynamics has become an important theoretical framework for understanding the behaviors of complex systems.

Our journal aims to provide a dedicated forum for researchers and scholars to exchange ideas, fostering to the development of Nonlinear Dynamics and their Applications.

JNDA encompasses a broad spectrum of topics, but are not limited to:

1. Dynamical Systems: Time-delay systems and stochastic systems, multi-agent systems, neural networks and complex networks, population systems and circuit systems.
2. Chaos & Bifurcations: Periodic solutions, bifurcation theory, chaotic dynamics and transient chaos.
3. Control & Synchronization: Nonlinear control strategies, stability and synchronization of nonlinear systems, finite/fixed-time control, adaptive control.
4. Advanced intelligent methods: Artificial intelligence, machine learning and big data analytics.
5. Applications: Engineering (mechanical, electrical, aerospace), physics, biology, economics and network dynamics.

JNDA thrives on the collective dedication of authors, reviewers, and editors. We welcome researchers to submit their high-quality work to our journal, where a rigorous peer-review process upholds the highest standards of scientific integrity and excellence. Our diverse editorial team brings together experts from multiple disciplines, guaranteeing comprehensive and

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impartial manuscript evaluations.

We encourage researchers, practitioners, and academics to collaborate with us in advancing this mission. Your contributions will play a pivotal role in driving innovation and shaping the future of the *Journal of Nonlinear Dynamics and Applications*.

We sincerely appreciate your participation and support in making *JNDA* a success. Yours Sincerely,

Guodong Zhang, Leimin Wang

Founding Editors-in-Chief

Journal of Nonlinear Dynamics and Applications

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Conflicts of Interest

The authors declare no conflicts of interest.

Ethical Approval and Consent to Participate

Not applicable.



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