



CALL FOR PAPERS

Online Conference on Nonlinear Dynamics and Complexity

<http://ndc.lhscientificpublishing.com/>

November 23-25, 2020, Central Time Zone, USA

General Information

This Conference will provide a place to exchange recent developments, discoveries and progresses on Nonlinear Dynamics and Complexity. The aims of the conference are to present the fundamental and frontier theories and techniques for modern science and technology; to stimulate more research interest for exploration of nonlinear science and complexity; and to directly pass the new knowledge to the young generation, engineers and technologists in the corresponding fields.

The symposium will focus on the recent developments, findings and progresses on fundamental theories and principles, analytical and symbolic approaches, computational techniques in nonlinear physical science and nonlinear mathematics. Topics of interest in Nonlinear Dynamics and Complexity include but not limited to

- Nonlinear classical and fractional differential equations and applications
- Modeling of nonlinear processes in biology, oceanography, and other areas
- Nonlinear dynamics and engineering nonlinearity
- Discontinuous dynamical systems and control
- Synchronization and chaos control
- Neurodynamics and brain dynamics
- Social dynamics and complexity
- Switching systems with impulses
- Data-driven dynamical systems
- Mathematical methods in artificial intelligence

Important Dates

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| • Submission of Symposium Proposals, | June 30, 2020 |
| • Submission of Abstracts, | September 15, 2020 |
| • Submission of PowerPoint Presentations, | November 20, 2020 |
| • Submission of Full-Length Papers, | January 30, 2021 |
| • Peer-Reviews Completed, | February 15, 2021 |
| • Revised Paper Resubmission, | March 30, 2021 |
| • Full-Length Paper Acceptance Notification, | April 15, 2021 |

All accepted papers will be published in the Journal of Vibration Testing and System Dynamics, and in the Journal of Discontinuity, Nonlinearity, and Complexity indexed by Scopus and Z-math. The selected contributions will be published in the Proceedings book by Springer. Conference presentations will be available on the conference YouTube channel at the same day!

Conference Chairs

Dimitry Volchenkov (Texas Tech University, USA)
C. Steve Suh (Texas A&M, College Station, USA)
Dumitru Baleanu (Cankaya University, Turkey)

International Technical Committee

Ali Ahmadian (Universiti Putra Malaysia, Malaysia)
Dumitru Baleanu (Cankaya University, Turkey)
Stefano Boccaletti (CNR-Institute of Complex Systems, Italy)
Maurice Courbage (Université Paris 7, France)
Mark Edelman (Yeshiva University, USA)
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Siyuan Xing (California Polytechnic State University-San Luis Obispo, USA)
Bo Yu (University of Wisconsin-Platteville, USA)
Jiazhong Zhang (Xian Jiaotong University, China)

Local Organization Committee

Chair: Albert C J Luo (Southern Illinois University Edwardsville, Edwardsville, USA)
Yu Guo (Midwestern State University Texas, USA)
Siyuan Xing (California Polytechnic State University-San Luis Obispo, USA)

Registration

- \$75 Early Registration (by November 10, 2020)
- \$50 Early Student Registration (by November 10, 2020)
- \$90 Regular Registration (after November 10, 2020)
- \$60 Regular Student Registration (after November 10, 2020)