

General Information

The 2023 hybrid Conference on Nonlinear Science and Complexity aim to provide a place where scientists exchange recent developments, discoveries, and progress in Nonlinear Science and Complexity. It aims to present the fundamental and frontier theories and techniques for modern science and technology. Also, to stimulate more research interest in the exploration of nonlinear science and complexity. The conference will focus on fundamental theories and principles, analytical and symbolic approaches, computational techniques in nonlinear physical science, and nonlinear mathematics.

The 2023 Conference on Nonlinear Science and Complexity is hosted hybrid by Biruni University, Turkey, for five days (10-15, July 2023).

Some of the topics of interest in Nonlinear Science and Complexity are included but not limited to:

- Nonlinear dynamical systems
- Nonlinear electronic circuits
- 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
- Complex Systems
- Complexity in Physics and Chemistry
- Biological and (Bio)Medical Complexity
- Neurodynamics and brain dynamics
- Social dynamics and complexity
- Switching systems with impulses
- Data-driven dynamical systems
- Mathematical methods in artificial intelligence

All accepted papers will be published in "Journal of Vibration Testing and System Dynamics" and the Journal of "Discontinuity, Nonlinearity, and Complexity" indexed by Scopus and zbMATH. The selected contributions will be published in a Chapter book by Springer.

International Scientific Committee

Chairs: Dumitru Baleanu, Çankaya University,

Ankara, Turkey, and **Dimitri Volchenkov**, Texas Tech University, USA

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- Jose Francisco Gomez Aguilar, CONACyT-Tecnológico Nacional de México, México
- Juan J. Nieto, University of Santiago de Compostela, Spain

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- Mustafa Inc, Firat University, Turkey
- Nasser Sweilam, Cairo University, Egypt
- Necati Özdemir, Balıkesir University, Turkey
- Ozlem Defterli, Cankaya University, Ankara, Turkey
- Ömer Akin, TOBB Univeristy, Turkey
- Pawel Olejnik, Lodz University of Technology, Poland
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- Raoul Nigmatullin, Kazan National Research Technical Univ., Russia
- Ravi P. Agarwal, Texas A &M University, USA
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- Sunil Kumar, National Institute Of Technology, India
- Suzeini Abdul Halim, University Malaya, Malaysia
- Tadeusz Kaczorek, Białystok University of Technology, Poland
- Tamaz Kaladze, Tbilis State University, Georgia
- Tamaz Kaladze, Tbilisi University, Georgia
- Valentina Balas, Aurel Vlaicu University, Romania
- Vitaly Volpert, CNRS, France
- Wen-Xiu Ma, University of South Florida, USA
- Xiao-Jun Yang, China University of Mining and Technology, China
- Yeliz Karaca, University of Massachusetts Chan Medical School, USA
- Yong Zhou, Xiangtan University, China
- Yongguang Yu, Beijing Jiaotong University, China
- Yu Guo, Midwestern State Univ.Texas, USA
- Zakia Hammouch, Moulay Ismail University, Morocco
- Zanariah Binti Abdul Majid, Putra University, Malaysia
- Zhouchao Wei, China University of Geosciences (Wuhan), China

Conference Chairs	Awards
	To promote research and development in
Mustafa Bayram	such vital science and engineering fields,
Biruni University, Istanbul Turkey	this conference series set five awards:
Albert Luo	
Southern Illinois Univ. Edwardsville, USA	Lagrange Award (2008-present), for
	lifetime achievement in Nonlinear Physical
Organizing Committee:	Science.
Chair: Aydin Secer, Biruni University, Istanbul Turkey	
	G.M. Zaslavsky Award (2010-present)
 Abdullahi Yusuf, Biruni University, Turkey Gülsemay Yigit, Bahcesehir University, Turkley 	for breakthrough achievement in Nonlinear
 Hakan Adıguzel, Sakarya University of Applied Science, Turkey 	Physical Science.
Handenur Esen, Yildiz Technical University, Turkey	V. Afraimovich Award (2020- present)
• Ismal Onder, Yildiz Technical University, Turkey	for outstanding young scholars in
• Melih Cinar, FYildiz TechnicalUniversity, Turkey	Nonlinear Physical Science.
 Müslüm Özışık, Yıldız Technical University, Turkey Neslihan Özdemir, Istanbul Gelisim University University, Turkey 	
 Nuran Guzel, Yildiz Technical University, Turkey 	C.S. Hsu Award (2020- present) for
• Samet Kadıoğlu, İstanbul Technical University, Turkey	distinguished scholars in Nonlinear
• Sebahat Ebru Das, Yildiz Technical University, Turkey	Dynamics and Control.
Sertan Alkan, Iskenderun Technical University, Turkey	
 Tugcem Partal, Recep Tayyip Erdogan University, Turkey Tukur Abdulkadir Suleiman, Biruni University, Turkey 	Also, this year, the conference established
• Tukui Abdulkadii Suleinian, bhuni Oniversity, Turkey	a best paper-presentation award for
	young scientists and students.
Important Dates	
Submission of Symposium Proposals	Awards committee:
February 30, 2023 (deadline)	Chair: Albert Luo, Southern Illinois Univ.
Submission of Abstracts	Edwardsville, USA
May 20, 2023 (deadline)	Co-Chairs: Dimitri Volchenkov, Texas Tech
Contribution Acceptance Notification June 10, 2023	University, USA
Submission of Full-Length Papers	Jiao-Qiao Sun, Univ. of California, Merced, USA
December 31, 2023 (deadline)	Lev Ostrovsky, Univ. of Colorado, Boulder, USA
Peer-Reviews Completed	
January 30, 2024	Miguel A.F. Sanjuan, University Rey Juan
Revised Paper Re-submission	Carlos, Spain
February 28, 2024 (deadline)	Mustafa Bayram, Biruni University, Turkey
Acceptance Notification	Steve Suh, Texas A&M, College Station, USA
March 25, 2024	

Conference on Nonlinear Science and Complexity 2023, July 10-15, 2023, Istanbul, Turkey

For more information please visit https://www.ntmsci.com/Conferences/ICNSC2023