# Journal of Applied Nonlinear Dynamics

#### **Editors**

### Albert C.J. Luo

Department of Mechanical and Industrial Engineering Southern Illinois University Edwardsville Edwardsville, IL 62026-1805, USA

Email: aluo@siue.edu

# Associate Editors

#### Viktor Avrutin

Institute for Systems Theory and Automatic Control, University of Stuttgart Pfaffenwaldring 9, 70569 Stuttgart, Germany avrutin.viktor@gmail.com

#### Eric Campos Cantón

División de Matemáticas Aplicadas Instituto Potosino de Investigación Científica y Tecnológica San Luis Potosí, México eric.campos@ipicyt.edu.mx

#### Igor Franović

Center of Excellence for the Study of Complex Systems Institute of Physics Belgrade Pregrevica 118, 11080 Belgrade, Serbia franovic@ipb.ac.rs

# **Edson Denis Leonel**

Departamento de Física UNESP - Univ Estadual Paulista Av. 24A, 1515 - Rio Claro – SP Brazil - 13.506-900 Email: edleonel@rc.unesp.br

# Jun Ma

Department of Physics Lanzhou University of Technology Lanzhou 730050 China E-mail: <a href="https://hyperchaos@163.com">hyperchaos@163.com</a>, hyperchaos@lut.edu.cn

#### Shanmuganathan Rajasekar

School of Physics Bharathidasan University Tiruchirappalli - 620 024 Tamilnadu, India

Email: srj.bdu@gmail.com; srj@bdu.ac.in

# Miguel A. F. Sanjuan

Department of Physics Universidad Rey Juan Carlos 28933 Mostoles, Madrid, Spain Email: miguel.sanjuan@urjc.es

#### Irina Bashkirtseva

Ural Federal University Lenina, 51, 620000, Ekaterinburg, Russia Irina.Bashkirtseva@urfu.ru

# **Lock Yue Chew**

Division of Physics & Applied Physics School of Physical & Mathematical Sciences Nanyang Technological University 21 Nanyang Link, SPMS-PAP-04-04 Singapore 637371 Email: lockyue@ntu.edu.sg

#### **Guoxiang Huang**

State Key Laboratory of Precision Spectroscopy
East China Normal University
No. 5 Dongchuan Road, Shanghai
200241, China
Email: gxhuang@phy.ecnu.edu.cn

# Chunbiao Li

School of Artificial Intelligence, Nanjing University of Information Science & Technology, Nanjing 210044, China goontry@126.com

#### Arturo C. Martí

Instituto de Física, Facultad de Ciencias Iguá 4225, 11400 Montevideo, Uruguay marti@fisica.edu.uy, arturomarti@gmail.com

# Gonzalo Marcelo Ramírez-Ávila

Instituto de Investigaciones Físicas Universidad Mayor de San Andrés Campus Universitario Cota-Cota Calle 27, La Paz, Bolivia Email: mravila@fiumsa.edu.bo

#### **Tassos Bountis**

Department of Mathematics University of Patras, Patras 26500 Greece tassosbountis@gmail.com

# Jorge Duarte

ISEL-Engineering Superior Institute of Lisbon,
Mathematics Department,
Rua Conselheiro Emídio Navarro,
1949-014 Lisboa,
Portugal
Email: jorge.duarte@isel.pt

#### Sayad Jafari

Biomedical Engineering Faculty, Amirkabir University of Technology, 424 Hafez Ave, 15875-4413, Tehran, Iran sajadjafari@aut.ac.ir

#### René Lozi

Université Cote d'Azur, Nice, France Email: Rene.LOZI@univ-cotedazur.fr

# Minvydas Ragulskis

Center for Nonlinear Systems
Department of Mathematical Modelling
Kaunas University of Technology
Studentu 50-146,
Kaunas LT-51368, Lithuania
Email: minvydas.ragulskis@ktu.lt

#### Thounaojam Umeshkanta Singh

Bennett University, Greater Noida, India Email:

thounaojam.singh@bennett.edu.in

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Editors Albert Chao-Jun Luo Miguel A. F. Sanjuan



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The Journal of Applied Nonlinear Dynamics is a journal aiming at increasing the basic and applied knowledge in the interdisciplinary field of nonlinear sciences, including nonlinear dynamics, chaos and complex systems, and focusing on physics, applied mathematics, engineering and other applied disciplines. The aim of the journal is to stimulate research in nonlinear phenomena in science and engineering. Manuscripts in complex dynamical systems with nonlinearity and chaos are solicited, which includes physical mechanisms of complex systems and engineering applications of nonlinear dynamics. The journal provides a place to researchers for the rapid exchange of ideas and techniques in nonlinear dynamics.

No length limitations for contributions are set, but only concisely written manuscripts are published. Brief papers are published, either as technical notes or concise new results. Discussions of previous published papers are also welcome. The journal aims to be a forum of exchange of new research results for physicists, applied mathematicians, and engineers involved in Nonlinear Science and Numerical Simulation. Topics of interest includes but not limited to

- Deterministic chaos,
- Nonlinear dynamical systems and control,
- Fractional dynamics and applications,
- Synchronization phenomena,
- Fractal structures in nonlinear dynamics,
- Fluctuations and noise effects on dynamical systems
- Chaos in Hamiltonian systems,
- Nonlinearity and chaos in quantum mechanics,
- Chaos in Astrophysics and Celestial Dynamics,
- Integrable systems and solitons,
- Collective behaviors in many-body systems,
- Biological physics and networks,
- Nonlinear mechanical systems,
- Nonlinear phenomena and chaos in Physics
- Complex systems and complexity.

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# Charalampos (Haris) Skokos

Department of Mathematics and Applied Mathematics, University of Cape Town Rondebosch, 7701, South Africa

Email: haris.skokos@uct.ac.za

# Wirot Tikjha

Faculty of Science and Technology Pibulsongkram Rajabhat University, Phitsanulok, Thailand Email: wirottik@psru.ac.th

#### **Christos Volos**

Department of Physics Aristotle University of Thessaloniki GR-54124 Thessaloniki, Greece volos@physics.auth.gr

## Shengda Zeng

Jagiellonian University, Faculty of Mathematics and Computer Science, ul. Lojasiewicza 6, 30-348 Krakow, Poland <a href="mailto:shengdazeng@gmail.com">shengdazeng@gmail.com</a>

#### **Michael Small**

Department of Mathematics and Statistics The University of Western Australia 35 Stirling Highway, 6009 Perth Australia

Email: michael.small@uwa.edu.au

# Isao Tokuda

Ritsumeikan University, Japan Email: isao@fc.ritsumei.ac.jp

# Ying Wu

School of Aerospace Engineering Xi'an Jiaotong University, Xi'an, China Email: wying36@xjtu.edu.cn

#### Vasily E. Tarasov

Skobeltsyn Institute of Nuclear Physics Moscow State University 119991 Moscow, Russia Email: tarasov@theory.sinp.msu.ru

#### Ricardo Viana

Departamento de Física Universidade Federal do Paraná 81531-990, Curitiba, Paraná, Brasil viana@física.ufpr.br

# Serhiy Yanchuk

School of Mathematical Sciences University College Cork Cork, Ireland Email: syanchuk@ucc.ie

# **Editorial Board**

#### Antonio M Lopes

UISPA-LAETA/INEGI Faculty of Engineering University of Porto Rua Doutor Roberto Frias, s/n, 4200-465 Porto, Portugal Email:aml@fe.up.pt

# Yuefang Wang

Department of Engineering Mechanics Dalian University of Technology Dalian, Liaoning, 116024, China Email: yfwang@dlut.edu.cn

# Zhigang Zheng

Institute of Systems Science, Huaqiao University, No.668 Jimei Avenue, Xiamen, Fujian 361021 China Email: zgzheng@hqu.edu.cn

#### **Fuhong Min**

School of Electrical and Automation Engineering,
Nanjing Normal University
Nanjing 210023, China
Email: minfuhong@njnu.edu.cn

# Jianhua Yang

School of Mechatronic Engineering, China University of Mining and Technology, Xuzhou, Jiangsu, 221116 China Email: jianhuayang@cumt.edu.cn

#### Lev Ryashko

Department of the Theoretical and Mathematical Physics Ural Federal University Lenina, 51, 620000, Ekaterinburg Russia Email: lev.ryashko@urfu.ru

# Yufeng Zhang

College of Sciences
China University of Mining and
Technology
Xuzhou, Jiangsu 221116
China
Email: mathzhang@126.com