# 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: <u>aluo@siue.edu</u>

# **Associate Editors**

#### Viktor Avrutin

Institute for Systems Theory and Automatic Control, University of Stuttgart Pfaffenwaldring 9, 70569 Stuttgart, Germany Email: <u>avrutin.viktor@gmail.com</u>

# Eric Campos Cantón

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

#### Igor Franović

Center of Excellence for the Study of Complex Systems Institute of Physics Belgrade Pregrevica 118, 11080 Belgrade, Serbia Email: 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: <u>edleonel@rc.unesp.br</u>

# Arturo C. Martí

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

# 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: <u>miguel.sanjuan@urjc.es</u>

# Irina Bashkirtseva

Ural Federal University Lenina, 51, 620000, Ekaterinburg, Russia Email: <u>Irina.Bashkirtseva@urfu.ru</u>

# 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: <u>lockyue@ntu.edu.sg</u>

# Sajad Jafari

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

# 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

# **Riccardo Meucci**

Istituto Nazionale di Ottica-CNR Largo E. Fermi 6, 50125 Firenze, Italy Department of Physics and Astronomy, Università di Firenze, 50125 Firenze, Italy riccardo.meucci@ino.cnr.it

# 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 Email: <u>tassosbountis@gmail.com</u>

# Jorge Duarte

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

# Nikolay V. Kuznetsov

Mathematics and Mechanics Faculty Saint-Petersburg State University Saint-Petersburg, 198504, Russia Email: <u>n.v.kuznetsov@spbu.ru</u>

# Jun Ma

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

# Minvydas Ragulskis

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

# Charalampos (Haris) Skokos

Department of Mathematics and Applied Mathematics, University of Cape Town Rondebosch, 7701, South Africa Email: haris.skokos@uct.ac.za

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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

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- 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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#### Michael Small

Department of Mathematics and Statistics The University of Western Australia 35 Stirling Highway, 6009 Perth Australia Email: <u>michael.small@uwa.edu.au</u>

#### Juan Alejandro Valdivia

Departamento de Física Universidad de Chile Las Palmeras 3425, Nunoa Santiago, Chile Email: <u>alejo@macul.ciencias.uchile.cl</u>

#### **Editorial Board**

#### Ravi P. Agarwal

Department of Mathematics Texas A&M University-Kingsville 700 University Blvd., MSC 172 Kingsville, Texas 78363-8202 USA Email: Ravi.Agarwal@tamuk.edu

#### Fuhong Min

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

#### Vsevolod Sakbaev

Moscow Institute of Physics and Technology Institutskiy per. 9, Dolgoprudny Moscow region, 141701 Russia Email: sakbaev.vzh@mipt.ru

#### Zhigang Zheng

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

#### Vasily E. Tarasov

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

#### **Christos Volos**

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

#### **Ricardo Viana**

Departamento de Física Universidade Federal do Paraná 81531-990, Curitiba, Paraná, Brasil Email: <u>viana@fisica.ufpr.br</u>

#### Yuefang Wang

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

#### Hongjun Cao

Department of Mathematics School of Science Beijing Jiaotong University Shang Yuan Cun 3, Haidian District Beijing 100044 China Email: hjcao@bjtu.edu.cn

#### Vladimir I. Nekorkin

Institute of Applied Physics of RAS 46 Ul'yanov Street, 603950 Nizhny Novgorod Russia Email: vnekorkin@appl.sci-nnov.ru

#### Jianhua Yang

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

#### Lyudmila Efremova

Institute of Information Technologies Mathematics and Mechanics University of Nizhni Novgorod Gagarin ave., 23a Nizhni Novgorod, 603950 Russia Email: <u>lefunn@gmail.com</u>

#### 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