



NOLTA2022

2022 International Symposium on Nonlinear Theory and Its Applications Full-online, December 12–15, 2022

The 2022 International Symposium on Nonlinear Theory and Its Applications (NOLTA2022) will be held as a full-online format, December 12th–15th, 2022. The objective of the symposium is to provide a forum for exchange of the latest results related to nonlinear theory and its applications. Papers describing original results in all aspects of nonlinear theory and its applications are invited. Topics include, but are not limited to:

- **Nonlinear Theory in Science and Engineering**

Applied Mathematics/Bifurcation/Chaos/Fractal/Fuzzy/Learning and Memory/Networks/Nonlinear Circuit/Nonlinear Oscillation/Optics/Optimization/Signal Processing/Soliton

- **Nonlinear Phenomena in Science and Engineering**

Chemical Reaction Systems/Complex Networks and Systems/Neuroscience and Neuro Dynamics/Soft Matter/Synchronization

- **Mathematical and Numerical Methods**

Evolutionary Computation/Modeling and Simulations/Prediction and Identification/Self-Validating Numerics

- **Interdisciplinary Fields**

Biocybernetics/Bioinformatics/Biomedical Science/Mathematical Economics/Social Dynamics

- **Applications in Science and Engineering**

Analog and Digital ICs/Communications/Control/Electrical and Electronic Engineering/Power Systems/Robotics

ORGANIZER:

NOLTA Society, IEICE

Symposium Committee

GENERAL CO-CHAIRS

Igor Mezić (US)
Yoshihiko Horio (JP)

SPECIAL SESSION CO-CHAIRS

Alexandre Mauroy (BE)
Milan Korda (FR)
Yueheng Lan (CH)
Tetsuya Asai (JP)
Makoto Naruse (JP)

TECHNICAL PROGRAM CO-CHAIRS

Marko Budišić (US)
Shigeki Shiokawa (JP)
Hiroya Nakao (JP)

SPECIAL SESSION /

TECHNICAL PROGRAM SECRETARY

Yuichi Yokoi (JP)
Masayuki Kimura (JP)

FINANCE CHAIR

Yuichi Tanji (JP)

FINANCE SECRETARY

Yuu Miino (JP)

PUBLICATION CHAIR

Keiji Konishi (JP)

PUBLICATION SECRETARY

Hiroki Sugitani (JP)

PUBLICITY CHAIR

Ryo Takahashi (JP)

PUBLICITY CO-SECRETARIES

Hikaru Hoshino (JP)
Shiu Mochiyama (JP)

LOCAL ARRANGEMENT CO-CHAIRS

Zlatko Drmač (HR)
Senka Maćešić (HR)
Nelida Črnjarić-Žic (HR)

GENERAL SECRETARY

Yoshihiko Susuki (JP)

IN COOPERATION WITH:

Technical Committee on Nonlinear Problems, IEICE
Technical Committee on Complex Communication Science, IEICE

PAPER SUBMISSION:

Authors are invited to submit full papers in PDF format via the website:

<http://nolta2022.org/>

Only electronic submissions will be accepted. Corresponding authors of accepted papers will be requested to submit a final camera ready paper for the symposium proceedings.

SPECIAL SESSIONS:

NOLTA2022 welcomes proposals for special sessions. Proposals will be evaluated based on the timelines and the scientific quality of the topic. It is strongly recommended that each proposal includes at least one speaker from outside Japan. Notification of acceptance will be sent to the organizer by May 20, 2022. Please submit proposals via email by **May 9, 2022** to NOLTA2022 Special Session Proposal E-mail: ss@nolta2022.org

AUTHOR'S SCHEDULE:

Deadline for Special Session proposal: **May 9, 2022**
Notification of acceptance for Special Sessions: **May 20, 2022**
Deadline for submission of full papers for Regular/Special Session: **Jun. 10, 2022**
Notification of acceptance for Regular/Special Session papers: **Jul. 30, 2022**
Deadline for submission of all camera ready papers: **Aug. 28, 2022**

STUDENT PAPER AWARD:

The NOLTA2022 Symposium Committee will present student paper awards. The award candidates should be a full student, and the first author and the presenter of the NOLTA2022 paper. In addition, the awarded paper should be a 4 page camera ready manuscript. The selections of the awards are based on the quality, originality, and clarity of the paper and the presentation.

The awarded authors will be invited to the Special Section on Recent Progress in Nonlinear Theory and Its Applications in NOLTA, IEICE journal.

For more information including important notice about NOLTA2022, please visit the website: <http://nolta2022.org/>



The Institute of Electronics, Information and Communication Engineers (IEICE)