

NACO Special Issue on **Emerging OR Research and Application on Control and Dynamics**

Numerical Algebra, Control and Optimization (NACO) aims at publishing original papers on any non-trivial interplay between control and optimization, and numerical techniques for their underlying linear and nonlinear algebraic systems. Topics of interest to NACO include the following: original research in theory, algorithms and applications of optimization; numerical methods for linear and nonlinear algebraic systems arising in modelling, control and optimization; and original theoretical and applied research and development in the control of systems, including all facets of control theory and its applications. In the application areas, special interests are on artificial intelligence and data sciences. The journal also welcomes expository submissions on subjects of current relevance to readers of the journal. The publication of papers in NACO is free of charge.

NACO will publish a SPECIAL ISSUE, entitled "**Emerging OR Research and Application on Control and Dynamics**". The theme of this special issue is on the latest OR-related research, trends and applications in the fields of control, optimal control, differential equations and dynamical Systems. Therefore, we invite contributions from researchers among the OR community, particularly from the participants of the **31th EURO Conference** which will be held in Athens, Greece, on 11-14 July, 2021.

Submission Information:

Topics of Interest:

Manuscripts submitted to this Special Issue should be original, unpublished, not currently under consideration for publication elsewhere and should present novel, in-depth, fundamental research contributions either from a methodological perspective or from an application point of view. Quality and originality of the contribution are the main acceptance criteria. Proposed submissions may include but are not limited to the following areas, provided that the dimension of **time** is involved into problems studied that are related with **OR**, which include but not limited to:

- mathematical programming - theory, methodology and applications
- dynamic programming, variational inequalities, complementarity problems, mathematical programs with equilibrium constraint,
- optimal control of ordinary, partial differential equations and difference equations - theory and methodology and applications
- (uncontrolled or controlled) dynamical systems with (deterministic, stochastic or controlled) regime switching,
- algorithms: design and analysis,

Submission of Manuscripts:

Authors should follow the *Guidelines* available at the NACO journal website via the link <http://www.aims sciences.org/journal/2155-3289>, and select **this Special Issue "Emerging OR Research and Application on Control and Dynamics"** within the process of submission.

Especially, **please note:**

All the papers shall be submitted through **EditFlow** with a statement specifying that it is for this special issue on "**Emerging OR Research and Application on Control and Dynamics**".

In cases of any questions, please contact us via e-mail to stefan.wrzaczek@tuwien.ac.at, gerhard-wilhelm.weber@put.poznan.pl and jmpaltas@aegean.gr.

Important Dates:

Submission Deadline: October 31, 2021,
Notification of the Final Decision: August 15, 2022

Guest Editors:

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