

Call for Papers
Special Issue of Foundations of Computing and Decision Sciences

Open access, no publication fee journal (<https://www.degruyter.com/view/j/fcds>)

indexed by Scopus and Web of Science (ESCI)

Special Issue on
“Numerical Techniques Meet with OR”
*****Extended Deadline*****

Papers related to the subject of “*Numerical Techniques Meet with OR*” will be considered for peer-reviewed publication in a *special issue* of the journal *Foundations of Computing and Decision Sciences* (FCDS; <http://fcds.cs.put.poznan.pl/fcds/>).

Numerical methods play an important role in *Operational Research* problems. They apply in various branches of economics, finance, management, physics, biology, medicine, earth sciences, etc. Currently, new technologies and methodologies provide an opportunity to advance numerical techniques. A wide range of problem-solving techniques and methods applied in *Operational Research* are simulation and mathematical optimization, Markov decision processes, econometric methods, data envelopment analysis, neural networks, and decision analysis. Such techniques are developed within the overlapping field of *Numerical Techniques in Operational Research*.

The rapidly growing interest of numerical techniques provides new developments in the field of *Operational Research* and its applications. This has triggered the development of new mathematical methods and algorithms, aiding to solve some of the most complicated and hard problems in the areas of the *Operational Research*.

FCDS focusses on the best and high quality selected papers on the following research topics. The special volume will cover a broad range of topics in the field of Numerical Techniques, which are applied on *Operational Research* problems and dynamical models. Potential topics include, but are not limited to, the following areas of *Operational Research* and numerical-computational methods used therein:

- finite element methods,
- collocation methods,
- high performance computing,
- interpolation techniques,
- multiple-variable discretization techniques,
- linear programming,
- stochastic programming,
- optimization algorithms
- numerical simulation,
- behavioral economics and finance,
- linguistics and cognition,
- combinatorial optimization,
- computational modelling and simulation,
- Bayesian approach in operational research, etc.

The use of methods from modern *Operational Research* is a prerequisite for any paper submitted to this special volume to enter the reviewing process.

The quality and topics of the submissions should correspond to the high standards of publications in *FCDS* and its Aims and Scope:

<http://fcds.cs.put.poznan.pl/fcds/>.

The extended deadline for submission is ***June 15, 2020***.

The paper length should ***not*** exceed 25 journal pages.

The special issue is planned to be published during 2020, the assignment of accepted papers to the given volume (and its date) depends on the finishing the reviewing and revision process.

Submissions should follow the journal's style and guidelines presented here:

<http://fcds.cs.put.poznan.pl/FCDS/Submissions.aspx>.

Manuscript submission must be made by e-mail to the following address that authors should mention in their letter to the Editorial Office that the manuscript is submitted to this "***Special Issue***":

fcds@cs.put.poznan.pl.

In case of any question, please contact by e-mail the guest editors:

Dr. Burcu Gürbüz

Institut für Mathematik
Johannes-Gutenberg-Universität Mainz
Staudingerweg 9, 55128 Mainz
Mainz, Rheinland-Pfalz, Germany
e-mail: burcu.gurbuz@uni-mainz.de

Computer Engineering, Üsküdar University
Altunizade Mh. Haluk Türksoy Sk. No:14 34662
Üsküdar, İstanbul, Turkey
e-mail: burcu.gurbuz@uskudar.edu.tr

Prof. Dr. Gerhard-Wilhelm Weber

Faculty of Engineering Management
Chair of Marketing and Economic Engineering
Poznan University of Technology
ul. Strzelecka 11
60-965 Poznan, Poland
e-mail: gerhard.weber@put.poznan.pl