

MENDEL 2018

24TH INTERNATIONAL CONFERENCE ON SOFT COMPUTING

2ND CALL FOR PAPERS

June 26-28, 2018, Brno, Czech Republic

Brno, the workplace of the "Father of Genetics" scientist, teacher and Augustinian friar **G. J. Mendel**, and the conference organizers, are very pleased to offer a conference platform on modern engineering using the principles of heredity. The **MENDEL conference** create a base for an exchange of theoretical and practical knowledge of **Soft Computing**, **Computational Intelligence**, and **Artificial Intelligence**.

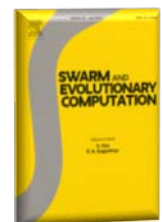
You are cordially invited to participate in and attend the 24th International Conference on Soft Computing — MENDEL 2018. This year the conference is organized under the auspices of **Brno University of Technology**.

The aim of the International Conference on **Soft Computing** — MENDEL is to serve as a forum to present current and future work as well as to exchange research ideas in this field. All submitted papers will be reviewed by at least two reviewers. Selection criteria will be based on relevance, originality, significance, impact, technical soundness and quality of the presentation. Contributions are expected to provide original results, insights and experimental innovations.

The accepted papers will be published in the **MENDEL journal** series with ISSN 1803-3814 which is indexed in **Scopus** since 2006 (Hard Copy Proceedings, Open Access, **SJR 0.22 Elsevier S&T**) and in **AISC Springer** indexed by **ISI Thomson Reuters (WoS)**, **DBLP**, **Google Scholar**, and **Springerlink**.



Springer



Elsevier

The scope of the conference includes:

Innovation and Theory

- Genetic and Evolutionary Computation
- Swarm Intelligence, Ant Colonies, Artificial Life
- Neural Networks, Deep Learning, Self Organization
- Metaheuristics, Hybrid and Parallel Algorithms
- Simulation-based Optimization
- Fuzzy Logic, Bayesian Methods, Machine Learning
- Deterministic Chaos, Complexity, Fractals
- Image Processing and Computer Vision
- Intelligent and Bio-inspired Robotics

Top Related Applications

- Optimization, Operations Research, Stochastic programming
- Control Design, Identification, Modeling and Simulation
- Computer Vision, Image Processing, Pattern Recognition
- Robotics, Motion Planning, Reactive Planning, Mechatronics
- Big data Analyses, Simulation-based Decision Making
- AI & Games, AI & VR, Human-system Interaction
- Process Industry, Mathematics, Astronomy, Business
- Smart Materials, Nature and Bioinspired Nanostructure
- Mathematical Optimization vs. Soft Computing

An important remark: As every year, the organizers are preparing the **special workshop with social program** as important part of the conference. The workshop will include discussion, music, conference dinner and pleasant experience.



Mendel 2018 Secretary: Brno University of Technology, FME, Department of Applied Computer Science, Technicka 2, 616 69 Brno, Czech Republic, phone: +420 54114 2298, mendel.conference@gmail.com

Organizing Committee: Chairs: R. Matousek (Czech Republic), R. Hochreiter (Austria)
Co-Chairs: J. Lampinen (Finland), L. Nolle (Germany)

Important Dates:

May 30: 1st round
MENDEL journal series
June 6: 2nd round
AISC Springer Series

In co-operation with:

