

MENDEL 2011



17TH INTERNATIONAL CONFERENCE ON SOFT COMPUTING

CALL FOR PAPERS

June 15-17, 2011, Brno, Czech Republic



Brno, the workplace of the "Father of Genetics" and the conference organizers, are very pleased to offer a conference platform on modern engineering using the principles of heredity. The MENDEL 2011 Soft Computing Conference organizers wish to create a base for an exchange of theoretical and practical knowledge of artificial evolution.

You are cordially invited to participate in and attend the 17th International Conference on Soft Computing - MENDEL 2011. This year the conference is organized under the auspices of **Brno University of Technology**. The aim of the Soft Computing Conference 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 book series MENDEL as Proceedings (Hard Copy) with ISBN number (ISBN 978-80-214-3xxx-x) and as journal series with ISSN number (ISSN 1803-3814). All accepted papers will be indexed by Thomson ISI (Web of Science) and INSPEC databases.

The scope of the conference includes, but is not limited to:

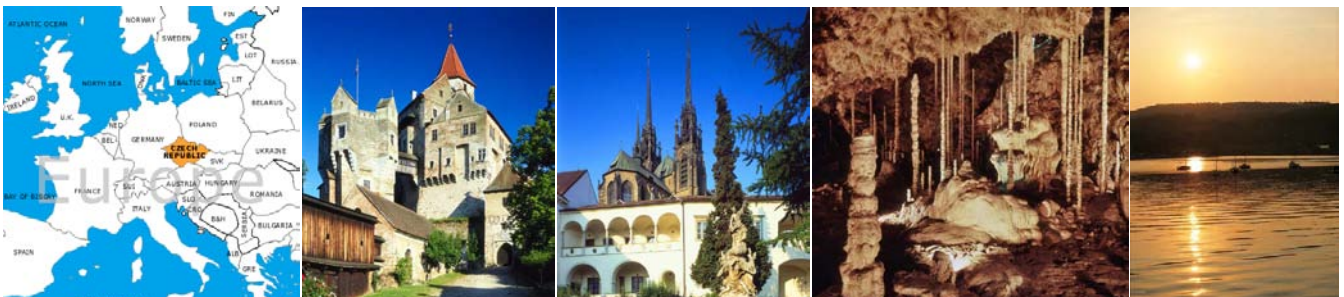
Innovation and Theory

- Genetic Algorithms, Grammatical Evolution
- Genetic Programming, Differential Evolution
- Swarm Intelligence, Ants Colonies, Artificial Life
- Neural Networks, Fuzzy Logic, Bayesian Methods
- Evolutionary Strategies, Motion Planning
- Hybrid, Distributed and Parallel Algorithms
- Evolvable Hardware, Mathematical Techniques
- Fractals, Chaos, Chemical Evolution, Rough Sets
- Multi-Agent Systems, Computer Vision

Applications

- Optimization Problems, Robotics
- Control Design, Modeling and Simulation
- Artificial Intelligence, System Identification
- Image Processing, Signal Processing
- Pattern Recognition, Vision System
- Machine Learning, Scheduling Algorithms
- Information Systems, Biomedicine, Chemistry
- Process Industry, Business, Economics
- Decision Making, Manufacturing

An important remark: This year, the workshop as important part of the conference will take place aboard a steamboat. The steamboat will be cruising across the Brno dam reservoir. The workshop will include discussion, live music, conference dinner and pleasant experience.



Mendel 2011 Secretary: Brno University of Technology, Faculty of Mechanical Engineering, Department of Applied Computer Science Technicka 2, 616 69 Brno, Czech Republic, phone: +420 54114 3334, +420 54114 2298, fax: +420 54114 2222, mendel@fme.vutbr.cz

Organizing Committee: *General Chair:* R. Matousek (BUT, CZ) matousek@fme.vutbr.cz, *Honorary Chair:* P. Osmera (BUT, CZ)
International Chairs: J. Lampinen (UV, Finland), L. Nolle (NTU, UK), G. Schaefer (LU, UK)

In co-operation with:

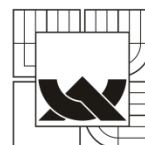


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Important Dates:

May 1 Registration
May 6 Full Paper
Submission
May 23 Notification
of Acceptance

www.mendel-conference.org