

MENDEL 2010

16TH INTERNATIONAL CONFERENCE ON SOFT COMPUTING

CALL FOR PAPERS

June 23-25, 2010
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 2010 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 16th International Conference on Soft Computing - MENDEL 2010. The conference is organized on the cover 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, Evolutionary Strategies
- Mathematical Techniques and Analysis
- Hybrid, Distributed and Parallel Algorithms
- Swarm Intelligence, Ants Colonies, Artificial Life
- Neural Networks, Fuzzy Logic, Bayesian Methods
- Evolvable Hardware, Chemical Evolution
- Fractals, Chaos, Information Physics, Rough Sets
- Multi-Agent Systems, Artificial Immune Systems

Applications

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

MENDEL'10 invites authors to submit original and unpublished works that demonstrate current research in all areas of soft computing, artificial intelligence, computer science, mathematics, control design, etc. as well as their applications. Workers in other areas such as biology, chemistry and medicine are also welcome.



Mendel 2010 Secretary:

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Organizing Committee:

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Important Dates:

May 3 Registration &
Full Paper Submission



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