

MENDEL 2004

In 1865, Gregor Johann Mendel, an Augustinian priest in a Brno monastery, described to the Brno Natural Science Society the transfer of determinants in pea plants. Sadly, the fundamental importance of Mendel's findings were not understood by the Society. Until 1900, no one realized that Mendel had discovered the Law of Heredity.

Brno, the workplace of the "Father of Genetics" and the conference organizers, is very pleased to offer a conference platform on modern engineering using the principles of heredity. The MENDEL 2004 Conference organizers wish to create a base for a theoretical and practical exchange of knowledge of evolution theories in Central and Eastern Europe. Theoretical papers that relate to the conference topic are welcome, as are any practical results and knowledge from the field of evolution strategies.

INTERNATIONAL PROGRAMME COMMITTEE

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ORGANIZING COMMITTEE

P. Ošmera	M. Šeda
J. Pavlíková	J. Dvořák
J. Roupec	R. Matoušek

ORGANIZERS

The conference is being organized by the Foundation for Advanced Information Technology.

SOCIAL PROGRAM

In addition to the usual Reception and Conference Dinners, an interesting social program is planned for delegates and their companions which will include a visit to Mendel's museum in Brno and a trip to the selected Moravian castle. Full details will be announced in the Preliminary Program.

THE-HOST-CITY

Brno, the second largest city in the Czech Republic (over 400,000 population), is situated near a scenic green area of gently rolling hills known as the Moravian Carst. Brno has a picturesque well-preserved center, a rich cultural heritage, and relaxed shopping possibilities, comparable to its larger neighbours Vienna and Prague.

SCOPE

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

Innovation and Theory

- genetic operators and representations
- hybrid and distributed algorithms
- genetic algorithms for neural networks
- parallel genetic algorithms
- genetic programming
- evolutionary programming
- mathematical techniques and analysis
- biological aspects of GAs
- Bayesian methods
- fuzzy logic
- neural networks
- rough sets
- fractals

Applications

- optimization problems
- scheduling algorithms
- robotics
- process industry
- manufacturing
- decision-making
- biomedicine
- machine learning
- signal processing
- vision system/applications
- control systems
- system identification
- economics

The Conference invites researchers in the field of Engineering Systems or related fields in Mathematics, Physics, Computer Science, etc. Workers in other areas such as Biology, Psychology and Medicine are also welcome.

WORKING LANGUAGE

The working language of the Conference will be English, which will be used for all printed materials, presentations, and discussions.

Reply card

Family Name:

First Name:

Occupation and/or Title:

.....

Affiliation (organization):

Mailing Address:

.....

Postal code (Zip):

City:

Country:

Tel:

Fax:

E-mail:

I confirm that I intend to attend MENDEL 2004

- Without submitting a paper
 Proposing the following paper
 With a poster presentation

The preliminary title of my paper is:

.....

.....

with the following highlights:

.....

.....

This reply card should be returned by March 1, 2004.

We would appreciate your response as quickly as possible by e-mail.

Foundation for Advanced Information Technology

**BRNO UNIVERSITY OF TECHNOLOGY
FACULTY OF MECHANICAL ENGINEERING
Institute of Automation and Computer Science**

GENOPS, Ltd.

Call for Papers



**10th International Conference
on Soft Computing**

MENDEL 2004

Evolutionary Computation, Genetic Programming, Bayesian
Methods, Fuzzy Logic, Neural Networks, Rough Sets, Fractals.

June 16 – 18, 2004

BRNO, CZECH REPUBLIC

CONTRIBUTIONS

Length: max 20 pages (inclusive of figures, tables, etc.).

Layout-demands:

See instructions for authors on the conference web pages at
<http://www.fme.vutbr.cz/confs/mendel/>

One person can be the first author of one paper and co-author of two other papers only.

All accepted papers will be published on CD (full versions) and in printed proceedings (two pages abstracts only). See conference web pages for further informations.

Papers will be subject to review by an international paper reviewing committee. All accepted papers will be published in Proceedings of MENDEL 2004

DEADLINES

March 15, 2004	Submission of paper Papers should be sent in electronic form, the pdf (preferred) and ps formats are accepted.
April 15, 2004	Notification of acceptance to authors
May 15, 2004	Preliminary program
May 20, 2004	Payments (without payment of conference fee the paper will not be published in the proceedings).

CONFERENCE FEES

250 EUR for authors, 300 EUR for other participants (fee includes admission to all presentations, one copy of proceedings, refreshments; fee does not include accomodation)

150 EUR for students (fee does not include trip and dinner)

30 EUR for trip and dinner and welcome party

30 EUR for each extra copy of proceedings

MENDEL 2004 Secretary

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Other information will be available on Internet address

<http://www.fme.vutbr.cz/confs/mendel/>

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