



Data Mining 2005

Sixth International Conference on Data Mining, Text Mining and their Business Applications

25 - 27 May 2005
Skiathos, Greece

<http://www.wessex.ac.uk/conferences/2005/data05/index.html>

Special Session on Evolutionary Computation

Data Mining 2005 provides an international forum for researchers and application developers from many different areas, to share state-of-the-art research results and practical development experiences. Data Mining 2005 aims to bring together participants from academia and research, industry and government organizations. The meeting will allow participants to learn about the many different applications of data mining and how the techniques can help in their own field.

Previous conferences in the series were successfully held in Rio (1998), Cambridge (2000), Bologna (2002), Rio (2003) and Malaga (2004).

DATA MINING 2005 is having a special session on Evolutionary Computation. The evolutionary computation session focuses theoretical and practical developments of computational systems drawing their inspiration from nature, with particular emphasis on following, but not limited to:

- Data Integration
- Ontologies
- Genetic Algorithm
- Genetic Programming
- Classifier systems
- Evolving Mathematical and Financial Models
- Evolving Connectionist (or Neural) Systems
- Genomics
- Molecular sequence analysis
- Recognition of genes and regulatory elements
- Molecular evolution
- Protein structure & function
- Gene expression
- Gene networks
- Combinatorial libraries and drug design
- Computational proteomics
- Computational genetics
- Microarray design and data analysis
- Structural and functional genomics

Paper Submission

We strongly encourage the submission of abstracts electronically either through the website or via email. Please include your name, full address and conference topic on all submissions. Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper, which if accepted, must be presented at the conference. To be fair to all participants, each registered delegate will only be able to submit one paper. Following are the deadlines for Paper Submission, to be included in the session:

Submission of Abstract	As Soon as Possible
Notification of Acceptance	29 December 2004
Final Paper Submission	21 January 2005

Abstract Submission

Web Submission Link is on DATA MINING 2005 website; please follow the link: <http://www.wessex.ac.uk/conferences/2005/data05/index.html#abstractsubmit>
You can also email the abstracts to Session Chair, **Amandeep S. Sidhu** at asidhu@it.uts.edu.au

Publication

The papers presented at Data Mining 2005 will be published in volume 34 of WIT Transactions on Information & Communication Technologies (ISSN 1743-3517). In addition to being available to delegates at the time of registration, the hardcover volume will be publicized directly to researchers and institutional libraries and distributed widely through the international book trade.

All papers will also be archived online in the Transactions of the Wessex Institute eLibrary. This collection provides the international scientific community with immediate and permanent access to individual papers. For more details visit the WIT eLibrary at <http://www.witpress.com>

Coverage of WIT proceedings appears regularly in notable publications and databases, including Applied Mechanics Reviews (AMR), Cambridge Scientific Abstracts, Ei Compendex, INSPEC, ISI's Index to Proceedings, Mathematical Reviews, Scitech Book News, Zentralblatt für Mathematik as well as the Directory of Published Proceedings.

Session Organization

The Special Session on Evolutionary Computation is supported by International Scientific Advisory Committee of DATA MINING 2005. The session is organized by **Amandeep S. Sidhu** of Faculty of Information Technology, University of Technology Sydney, Australia

More Information

More information about the special session on evolutionary computation and paper submission enquires can be had from:

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General Information about the DATA MINING 2005 conference can be had from
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Conference Secretariat

DATA MINING 2005

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