



## The Eleventh International Conference on Discovery Science DS-2008 Budapest, Hungary 13-16 October, 2008



### DS-2008: Call for Papers

The Eleventh International Conference on Discovery Science (DS-2008) will be held at Hotel Budapest, Budapest, Hungary, on 13-16 October 2008. DS-2008 will be collocated with ALT-2008, the Nineteenth International Conference on Algorithmic Learning Theory. The two conferences will be held in parallel, and will share their invited talks. The proceedings of DS-2008 will appear in the Lecture Notes in Artificial Intelligence Series by Springer-Verlag. DS-2008 provides an open forum for intensive discussions and exchange of new ideas among researchers working in the area of Discovery Science. The scope of the conference includes the development and analysis of methods for intelligent data analysis, knowledge discovery and machine learning, as well as their application to scientific knowledge discovery.

### Submissions

We invite submissions of research papers addressing all aspects of discovery science. We particularly welcome contributions that discuss the application of data analysis and other support techniques for scientific discovery including, but not limited to, biomedical, astronomical and other physics domains.

Two types of submissions are solicited: regular and long papers. Regular papers will be presented in an oral spotlight presentation and a poster; authors of long papers will have the opportunity to give an extended oral presentation. Detailed instructions for submission will be available on the conference site soon. A paper submission must be formatted according to the layout supplied by Springer-Verlag for the Lecture Notes in Computer Science series. Regular papers must not exceed five (5) pages, whereas long papers may contain up to twelve (12) pages.

### Mentoring Program and Student Award

Based on the success of the passed three years, DS-2008 is featuring a mentoring program once again. Students who are first authors of papers are invited to submit a paper draft no later than the mentoring deadline. They will receive comments from a PC member that will help them prepare their final submission. An excellent student paper will be selected to receive the Carl Smith Award. The award carries a scholarship prize of 555 euros.

### Submission Topics

Possible topics include, but are not limited to:

- Logic and philosophy of scientific discovery,
- Knowledge discovery, machine learning and statistical methods,
- Active knowledge discovery,
- Text and web mining,
- Information extraction from scientific literature,
- Knowledge discovery from text and the web,
- Knowledge discovery from unstructured and multimedia data,
- Knowledge discovery in network and link data,
- Knowledge discovery in social networks,
- Data and knowledge visualization,
- Human-machine interaction for knowledge discovery and management,
- Biomedical knowledge discovery, analysis of microarray and gene deletion data,
- Applications of the above techniques to natural or social sciences,

And other applications of the above techniques.

### Organization

#### Conference Chair:

Tamas Horvath (University of Bonn and Fraunhofer IAIS)

#### Program Committee Co-Chairs:

Jean-Francois Boulicaut (INSA Lyon, France)  
Michael Berthold (University of Konstanz, Germany)

#### Local Arrangement Chair:

Janos Csirik (University of Szeged and RGAI Szeged)

### Important Dates

Mentoring prg. submission deadline:	21 April 2008
Submission deadline:	18 May 2008
Notifications of acceptance:	22 June 2008
Camera-ready copy due:	20 July 2008
Conference:	13-16 Oct. 2008

For more information see the  
DS-2008 Website:

<http://www.inf.uni-konstanz.de/ds2008>