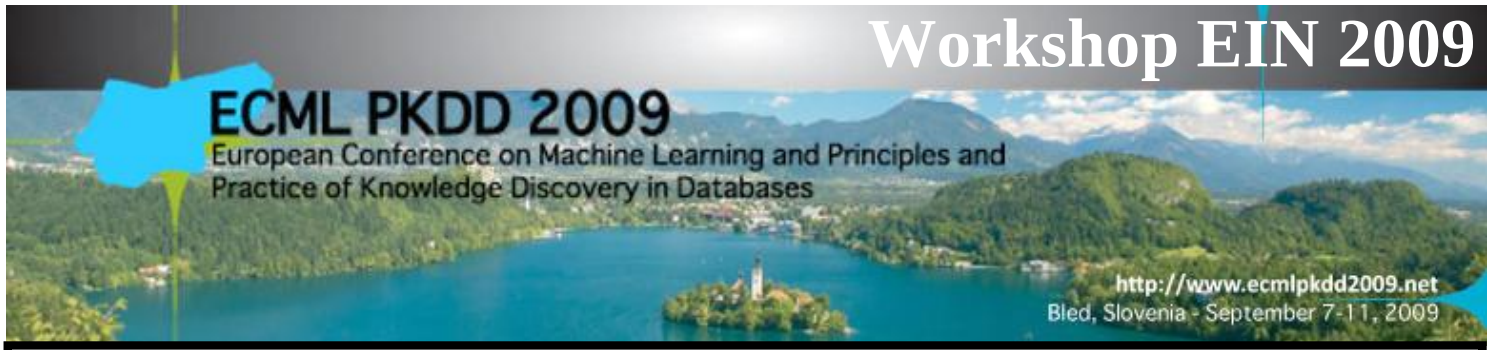

Workshop on Explorative Analytics of Information Networks

Area and Scope

Almost all information archives can be represented as a mesh of connected information entities. Analyzing such networks in order to retrieve, discover or even create new connections that are yet unknown requires powerful tools for visualization, interaction and mining. While many graph mining tools have been already developed there is a lack of integrated tools that enables a user to interact with huge information networks such that creative information discoveries can be supported. Besides refined mining and aggregation methods the interaction with the mesh itself requires sophisticated visualization methods that have to consider the limited amount of information a user is able to handle at the same time.

The goals of the workshop are to intensify the exchange of ideas between different research communities to enable the design of tools for creation, analysis and visualization of complex information networks. The workshop focuses especially on researchers that are working on methods for representation of complex knowledge resources, (dynamic) data analysis methods, semantic networks, and visualization methods as well as user interface design.

Topics of Interest

Submissions are sought dealing with Knowledge representation, Graphical Models, Theoretical foundations of information retrieval and interaction, Indexing methods that create information nets, Data structures and data bases for information networks, Bibliometrics, Semantic content analysis for text and multimedia, Query languages and processing, Creative discovery methods, User and preferences modeling (including feedback models) and Adaptive visualization methods.

Important Dates

- Paper Submission due June 10, 2009
- Notification of Acceptance on June 30, 2009
- Camera Ready Papers due August 15, 2009
- Workshop: September 11, 2009

Workshop Chairs

- Andreas Nürnberger, Otto-von-Guericke-University-Magdeburg, Germany
- Michael R. Berthold, University of Konstanz, Germany

Program Committee

- Christian Borgelt, European Centre for Soft Computing, Mieres, Spain
- Ulrik Brandes, University of Konstanz, Germany
- Werner Dubitzky, University of Ulster, United Kingdom
- Andreas Hotho, University of Kassel, Germany
- Nada Lavrač, Jožef Stefan Institute, Slovenia
- Trevor Martin, University of Bristol, United Kingdom
- Igor Mozetič, Jožef Stefan Institute, Slovenia
- Luc de Raedt, Katholieke Universiteit Leuven, Belgium
- Hannu Toivonen, University of Helsinki, Finland

Paper Submission

Authors are invited to submit manuscripts dealing with the topic of the workshop to ein2009-submission@inf.uni-konstanz.de. We welcome papers that present new results, ongoing projects or completed work (even previously published). The instructions for authors and the LaTeX packages can be found at http://www.springer.de/comp/lncs/authors.html. There is no limitation on paper length although we recommend the usual page limits of around 12 pages.