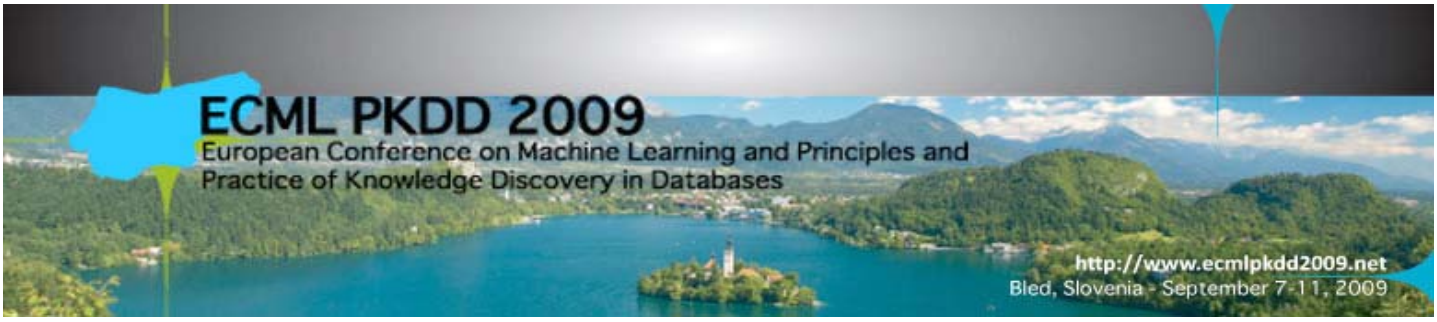

Workshop on Explorative Analytics of Information Networks

September 11, 2009

Program

11:00 – 12:30 Creation

Information Networks: State of the Art
Tobias Kötter and Michael R. Berthold

BisoNet Generation using Textual Data
Marc Segond and Christian Borgelt

Constructing Information Networks from Text Documents
Matjaz Jursic, Nada Lavrac, Igor Mozetic, Vid Podpecan, Hannu Toivonen

Gene Analytics: Discovery and Contextualization of Enriched Gene Sets
Nada Lavrac, Igor Mozetic, Vid Podpecan, Petra Kralj Novak, Helena Motaln, Marko Petek, Kristina Gruden

12:30 – 13:30 Lunch

13:30 – 15:00 Analysis

Review of Network Abstraction Techniques
Fang Zhou, Sebastien Mahler, Hannu Toivonen

Probabilistic and Logical Inference for Network Mining
Luc de Raedt

Finding representative nodes in probabilistic graphs
Laura Langohr and Hannu Toivonen

Pure Spreading Activation is Pointless
Michael R. Berthold, Ulrik Brandes, Tobias Kötter, Martin Mader, Uwe Nagel, Kilian Thiel

15:00 – 15:30 Coffee break

15:30 – 17:00 Exploration

Interactive Visualization of Continuous Node Features in r-partite Graphs
Stefan Haun, Marcus Nitsche, Andreas Nürnberger

Creative Knowledge Discovery by Literature Outlier Detection
Ingrid Petric, Bojan Cestnik, Nada Lavrac, Tanja Urbancic

Characterizing Semantic Relatedness of Search Query Terms
Dominik Benz, Beate Krause, G. Praveen Kumar, Andreas Hotho, Gerd Stumme