



Workshop on Third-Generation Data Mining: Towards Service-Oriented Knowledge Discovery

Barcelona, 24 September 2010

Program

- 15:00 - 15:10 Opening
- Data Mining Workflows: Creation, Analysis and Re-use**
- 15:10 - 15:30 ▪ Data Mining Workflow Templates for Intelligent Discovery Assistance and Auto-Experimentation
J.U. Kietz, F. Serban, A. Bernstein, S. Fischer
- 15:30 - 15:50 ▪ Workflow Analysis Using Graph Kernels
N. Friesen, S. Rüping
- 15:50 - 16:05 ▪ Re-using Data Mining Workflows
S. Rüping, D. Wegener, P. Bremer
- 16:05 - 16:20 ▪ Open discussion
- 16:20 - 16:50 Coffee Break
- Ontologies for Knowledge Discovery**
- 16:50 - 17:10 ▪ Exposé: An Ontology for Data Mining Experiments
J. Vanschoren, L. Soldatova
- 17:10 - 17:25 ▪ Foundations of Frequent Concept Mining with Formal Ontologies
A. Ławrynowicz
- 17:25 - 17:40 ▪ Open discussion
- Applications of Service-Oriented Knowledge Discovery**
- 17:40 - 18:00 ▪ Workflow-based Information Retrieval to Model Plant Defence Response to Pathogen Attacks
D. Miljković, C. Mihăilă, V. Podpečan, M. Grčar, K. Gruden, T. Stare, N. Lavrač
- 18:00 - 18:20 ▪ OpenTox: A Distributed REST Approach to Predictive Toxicology
T. Girschick, F. Buchwald, B. Hardy, S. Kramer
- 18:20 - 18:35 ▪ Open discussion and wrap-up