DILS 2010 — Programme

Wednesday 25 August 2010

14:00 Welcome

Ontology engineering

14:15 Discovering Evolving Regions in Life Science Ontologies
   Michael Hartung, Anika Groß, Toralf Kirsten, Erhard Rahm
14:45 On Matching Large Life Science Ontologies in Parallel
   Anika Groß, Michael Hartung, Toralf Kirsten, Erhard Rahm
15:15 A system for debugging missing is-a structure in networked ontologies
   Qiang Liu, Patrick Lambrix

Posters and Demonstrations

15:35 Poster previews
16:00 Posters and system demonstrations
19:00 Reception

Thursday 26 August 2010

Invited Talk

09:00 Provenance Management for Data Exploration
   Juliana Freire

Web services

10:00 On the secure sharing and aggregation of data to support Systems Biology research
   Andrew Simpson, Mark Slaymaker, David Gavaghan
10:30 Coffee
11:00 Helping Molecular Biologists Effectively Build Workflows, Without Programming
   Paul Gordon, Ken Barker, Christoph Sensen
11:30 A data warehouse approach to semantic integration of Pseudomonas data
   Kamar Marrakchi, Abdelaali Briache, Amine Kerzazi, Ismael Navas-Delgado, José Francisco Aldana Montes, Mohamed Ettayebi, Khalid Lairini, Badr Din Rossi Hassani
Data mining and text mining (1)

12:00 The Cinderella of Biological Data Integration: Addressing the Challenges of Entity and Relationship Mining from Patent Sources
Ithipol Suriyawongkul, Christopher Southan, Sorel Muresan

12:30 Lunch

14:00 Algorithm for Grounding Mutation Mentions from Text to Protein Sequences
Jonas Bergman Laurila, Rajaraman Kanagasabai, Christopher Baker

Invited Talk

14:30 High-performance Systems for In Silico Microscopy Imaging Studies
Fusheng Wang, Tahsin Kurc, Patrick Widener, Tony Pan, Jun Kong, Lee Cooper, David Gutman, Ashish Sharma, Sharath Cholleti, Vijay Kumar, Joel Saltz

15:30 Coffee

16:00 Panel: Marcus Bjäreland, Jan-Eric Litton, Bengt Persson

19:00 Dinner

Friday 27 August 2010

Data mining and text mining (2)

09:00 Handling missing features with boosting algorithms for protein-protein interaction prediction
Fabrizio Smeraldi, Michael Defoin-Platel, Mansoor Saqi

09:30 Instance Discovery and Schema Matching With Applications to Biological Deep Web Data Integration
Tantan Liu, Fan Wang, Gagan Agrawal

Information management

10:00 Integrative Information Management for Systems Biology
Neil Swainston, Daniel Jameson, Peter Li, Irena Spasic, Pedro Mendes, Norman Paton

10:30 Coffee

11:00 An integration architecture designed to deal with the issues of biological scope, scale and complexity
Hector Rovira, Sarah Killcoyne, Ilya Shmulevich, John Boyle

11:30 Quality Assessment of MAGE-ML Genomic Datasets Using DescribeX
Lorena Etcheverry, Shahan Khatchadourian, Mariano Consens

12:00 Search Computing: Integrating Ranked Data in the Life Sciences
Marco Masseroli, Norman W Paton, Giorgio Ghisalberti

12:20 Close