

Program of the 3rd Workshop "What can FCA do for Artificial Intelligence?"

Morning Session 1

- 09.00–09.30 Welcome and introduction of participants
- 09.30–10.30 *Invited talk: Henry Soldano*
Abstraction, taxonomies, connectivity: from AI to FCA and back
- 10.30–11.00 Coffee break

Morning Session 2

Recommendation and related topics

- 11.00–11.25 *Tim Wray and Peter Eklund*
Using Formal Concept Analysis to Create Pathways through Museum Collections
- 11.25–11.50 *Yury Kashnitsky and Dmitry Ignatov*
Can FCA-based Recommender System Suggest a Proper Classifier?
- 11.50–12.15 *Victor Codocedo and Amedeo Napoli*
Bicluster enumeration using Formal Concept Analysis
- 12.15–12.40 *Josefine Asmus, Daniel Borchmann, Ivo F. Sbalzarini, and Dirk Walther*
Toward a FCA-based Recommender System for Black-Box Optimization
- 12.40–14.00 Lunch Break

Afternoon Session 1

Classification and tools

- 14.00–14.25 *Evgeny Kolmakov*
Generalization and Modification of Classification Algorithms Based on Formal Concept Analysis
- 14.25–14.50 *Aleksey Buzmakov, Sergei O. Kuznetsov, and Amedeo Napoli*
Concept Stability as a Tool for Pattern Selection
- 14.50–15.15 *A.A. Neznanov and A.A. Parinov*
About Universality and Flexibility of FCA-based Software Tools
- 15.15–15.40 *Ines Moosdorf, Adrian Paschke, Alexandru Todor, Jens Dietrich, Hans W. Guesgen*
PRCA -- A Parallel Relational Concept Analysis Framework
- 15.40–16.00 Coffee Break

Afternoon Session 2

Applications on textual and linked open data

- 16.00–16.25 *Silvia Moraes, Vera Lima, and Luis Furquim*
Concept Building with Non-Hierarchical Relations Extracted from Text – Comparing a Purely Syntactical Approach to a Semantic one
- 16.25–16.50 *Manuel Atencia, Jérôme David, and Jérôme Euzenat*
What can FCA do for database linkkey extraction?
- 16.50–17.15 *Mehwish Alam and Amedeo Napoli*
Lattice Based Views over SPARQL Query Results
- 17.15–17.30 Closing Discussion