

ICFCA 2006

Preliminary Program

Version of 8th February 2006

Monday, Feb. 13

14:00 Opening

14:15 *Attribute Implications in a Fuzzy Setting*

[Radim Bělohlávek](#) and Vilém Vychodil

15:15 Break

16:30 *The Tensor Product as a Lattice of Regular Galois Connections*

Markus Krötzsch and Grit Malik

17:00 *An FCA Interpretation of Relation Algebra*

Uta Priss

17:30 *Relations and Scaling*

Joachim Hereth Correia

Tuesday, Feb. 14

9:00 *The Assessment of Knowledge, in Theory and in Practice*

Jean-Claude Falmagne, Eric Cosyn, [Jean-Paul Doignon](#), and Nicolas Thiéry

10:00 Break

11:00 *Interactive Association Rules Discovery*

Raoul Medina, Lhouari Nourine, and Olivier Raynaud

11:30 *About the Family of Closure Systems Preserving non Unit Implications in the Guigues-Duquenne Base*

Alain Gély and Lhouari Nourine

12:00 *The Basic Theorem on Preconcept Lattices*

Christian Burgmann and Rudolf Wille

12:30 Lunch break

14:00 *Two Instances of Peirce's Reduction Thesis*

Frithjof Dau and Joachim Hereth Correia

14:30 *Using Concept Lattices to Uncover Causal Dependencies in Software*

John L. Pfaltz

15:00 *Unified Characterization of Symmetric Dependencies with Lattices*

Jaume Baixeries and José Luis Balcázar

15:30 Break

16:30 *Towards Formal Concept Analysis of Folksonomies*

[Gerd Stumme](#)

17:30

Tools, Posters, Demo Announcements

Wednesday, Feb. 15

9:00 *An Enumeration Problem in Ordered Sets Leads to Possible Benchmarks for Run-Time Prediction Algorithms*

Tushar S. Kulkarni and [Bernd S. W. Schröder](#)

10:00 Break

11:00 *FooCA: Enhancing Google Information Research by Means of Formal Concept Analysis*

Bjoern Koester

11:30 *Homograph Disambiguation Using Formal Concept Analysis*

L. John Old

12:00 *A Conceptual Analogue of Heisenberg's Uncertainty Relation*

Karl Erich Wolff

12:30 Editorial Board meeting

14:00 Excursion and Conference Buffet

Thursday, Feb. 16

9:00 *Status and rôles of lattices in data analysis*

Vincent Duquenne

10:00 Break

11:00 *Negation, Opposition, and Possibility in Logical Concept Analysis*

Sébastien Ferré

11:30 *A Note on Negation: a PCS-Completion of Semilattices*

Léonard Kwuida

12:00 *Spatial Indexing for Scalability in FCA*

Ben Martin and Peter Eklund

12:30 Lunch break

14:00 *Very Fast Instances for Concept Generation*

Anne Berry, Ross M. McConnell, Alain Sigayret, and Jeremy P. Spinrad

14:30 *Computing the hierarchy of conjunctions of concept names and their negations in a Description Logic knowledge base using Formal Concept Analysis*

Bariş Sertkaya

15:00 *Counting Pseudo-Intents and $\#P$ -completeness*

Sergei O. Kuznetsov and Sergei Obiedkov

15:30 Break

16:30 *Towards a Generalisation of Formal Concept Analysis for Data Mining Purposes*

Francisco J. Valverde-Albacete and Carmen Peláez-Moreno

17:00 *Relationships between Fuzzy Constructions of Concept Lattices*

Stanislav Krajčí

17:30 *Box Elements in a Concept Lattice*

Attila Körei and Sándor Radeleczki

Friday, Feb. 17

9:00 *Methods of Conceptual Knowledge Processing*

Rudolf Wille

10:00 Break

11:00 *Spring-Based Lattice Drawing Highlighting Conceptual Similarity*

Tim Hannan and Alex Pogel

11:30 *Automated Layout of Small Lattices Using Layer Diagrams*

Richard Cole, Jon Ducrou, and Peter Eklund

12:00 *Characterizing planar lattices using left-relations*

Christian Zschalig

12:30 Closing

Speakers whose name is written in blue are invited. Abstracts of invited presentations can be found under

<http://w3.uqo.ca/icfca06/InvitedLecturesAbstract.html> .