

# 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> .