Call for Papers **Workshop "Formal Concept Analysis meets Information Retrieval" (FCAIR)**

http://fcair.hse.ru March 24, 2013, Higher School of Economics, Moscow, Russia co-located with the 35th European Conference on Information Retrieval (ECIR-2013, March 25-27)

Venue: National Research University Higher School of Economics, Moscow, Russia Workshop co-chairs:

Claudio Carpineto , Fondazione Ugo Bordoni, Italy

Sergei O. Kuznetsov , National Research University Higher School of Economics, Russia

Amedeo Napoli , LORIA (CNRS - Inria - Université de Lorraine), France

Formal Concept Analysis (FCA) is a mathematically well-founded theory aimed at data analysis and classification, introduced and detailed in the book of Bernhard Ganter and Rudolf Wille, "Formal Concept Analysis", Springer 1999. The area came into being in the early 1980s and has since then spawned over 10000 scientific publications and a variety of practically deployed tools (see, e.g., http://www.upriss.org.uk/fca/fca.html). FCA allows one to build from binary data - a binary table with objects in rows and attributes in columns - a taxonomic data structure called concept lattice which can be used for many purposes, especially for Knowledge Discovery and Information Retrieval.

The workshop is intended, on the one hand, to attract researchers from FCA community to a broad discussion of FCA-based research on information retrieval, and, on the other hand, to promote ideas, models, and methods of FCA in IR community. We welcome papers on information retrieval understood in a rather general sense, including such issues as ontologies, semantic web, text mining, digital libraries, NLP, and related aspects.

In this workshop, we will be interested in two main issues:

- How can FCA support IR activities including but not limited to query analysis, document representation, text classification and clustering, social network mining, access to semantic web data, ontology engineering.
- How can FCA be extended to address a wider range of IR activities, possibly including new retrieval tasks.

Submission details

The workshop welcomes submissions in pdf format in Springer's LNCS style . LaTeX format is strictly preferable than MS Word. Submissions can be

- technical papers not exceeding 12 pages,

- system descriptions or position papers on work in progress not exceeding 4 pages

All submissions should be done via EasyChair

The papers submitted to FCAIR will be carefully peer-reviewed by at least two reviewers from the most well-recognized FCA researchers in this field. The workshop proceedings will be published as CEUR proceedings .

Tentative program committee:

Radim Belohlavek, Palacky University, Olomouc, Czech Republic
Peter Eklund, University of Wollongong, Australia
Sébastien Ferré, IRISA Rennes, France
Bernhard Ganter, Technische Universitaet Dresden, Germany
Andreas Hotho, University of Kassel, Germany
Robert Jaschke, Web Science, L3S Research Center Hannover, Germany
Dmitry I. Ignatov, Higher School of Economics, Moscow, Russia
Marianne Huchard, LIRMM Montpellier, France
Mehdi Kaytoue, LIRIS INSA, Lyon, France
Carlo Meghini, Istituto di Scienza e Tecnologie dell'Informazione, Pisa, Italy
Rokia Missaoui, University of Ottawa, Canada
Sergei A. Obiedkov, Higher Schools of Economics, Moscow, Russia
Uta Priss, Ostfalia University of Applied Sciences, Wolfenbüttel, Germany
Sebastian Rudolph, University of Karlsruhe, Germany
Baris Sertkaya, SAP Dresden, Germany
Gerd Stumme, Universitaet Kassel, Germany
Petko Valtchev, Université du Québec à Montréal, Montréal, Canada
Francisco Valverde-Albacete, Universidad Carlos III de Madrid, Spain **Important dates:**

Title and Abstract due January 7, 2013
Submission due January 14, 2013
Notification February 11, 2013
Camera-ready March 4, 2013