

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,

## Workshop “Formal Concept Analysis meets Information Retrieval”

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- 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 Universität 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, Universität 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