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The First International Workshop on
Mining Communities and People Recommenders
(COMMPER 2011)

In conjunction with ICDM 2011
Vancouver, Canada,
December 11, 2011

<http://research.ics.tkk.fi/events/commp2011/>
Paper deadline: July 23, 2011

News: Best paper award.

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[[Call For Papers]]

Data mining and knowledge discovery in social networks has advanced significantly over the past several years, due to the availability of a large variety of online and online social network systems. The focus of COMMPER is on two main streams of social networks: community mining and system recommenders.

The first focus of this workshop is on mining communities in social networks and in particular in scientific collaboration networks. Consider, for example, a dataset of scientific publications along with information about each publication and the complete citation network. Many data-analysis questions arise: what are the underlying communities, who are the most influential authors, what are the set-skills of individual authors, what are the observed collaboration patterns, how does interest on popular topics propagates, who does the network evolve in terms of collaborations, topics, citations, and so on. In this workshop we indent to bring domain experts, such as bibliometricians, closer to researchers from the fields of data mining and social networks. The expected outcome is to strengthen the collaboration of these communities aiming at high impact-research contributions and discussions. We aspire that the workshop will lead to the development of new insights and data mining methodologies that could be employed for the analysis of communities, models of human collaboration, topic discovery, evolution of social networks, and more.

People recommenders, the second main topic of this workshop, deal with the problem of finding meaningful relationships among people or organizations. In online social networks, relationships can be friends on Facebook, professional contacts on LinkedIn, dates on an online dating site, jobs or workers on employment websites, or people to follow on Twitter. The nature of these domains makes people-to-people

recommender systems to be significantly different from traditional item-to-people recommenders. One basic difference in the people recommender domain is the benefit or requirement of reciprocal relationships. Another difference between these domains is that people recommenders are likely to have rich user profiles available. The goal of this workshop is to build a community around people recommenders and instigate discussion about this emerging area of research for recommender systems. With this workshop, we want to reach out to research done in both academia and industry.

[[Topics]]

We encourage that papers submitted to COMMPER focus on, but are not limited to the following topics:

- * analysis of scientific communities;
- * collaboration networks;
- * bibliometrics and data mining;
- * analysis of co-authorship networks;
- * analysis of citation networks;
- * communities in social networks;
- * dynamic networks;
- * formation of teams;
- * learning skills of individuals;
- * topic and community evolution and dynamics;
- * comparative studies of community networks;
- * people recommendation in social networks;
- * community recommendations in social networks;
- * mentor/student recommendations in tutoring systems;
- * expert search and expertise recommendation;
- * employee/employer recommendations;
- * online dating recommendations;
- * people search in the enterprise;
- * team recommendations;
- * reviewer assignment;
- * location-aware people recommendation.

[[Important Dates]]

Paper Submission: July 23, 2011

Notification of Acceptance: September 20, 2011

Camera-ready Paper Due: October 11, 2011

Full-day Workshop at IEEE ICDM, Vancouver, Canada: December 11, 2011

[[Submission Information]]

All papers must be formatted in the IEEE Computer Society proceedings manuscript and 6 pages (short papers) in the IEEE 2-column format. Please note that up to two additional pages can be purchased at 125

USD per page. Papers that do not comply with the Submission Guidelines will be rejected without review. For detailed formatting and submission guidelines please visit the IEEE ICDM 2011 website.

Papers submitted to this workshop must not have been accepted for publication elsewhere or be under review for another workshop, conference, or journal.

[[Proceedings]]

Accepted papers will be published in ICDM COMMPER proceedings.

[[Best paper award]]

A best paper award will be issue to the author(s) presenting the paper that have been judged by the organizers as the best workshop paper.

[[Workshop Organizers]]

- * Panagiotis Papapetrou, Aalto University, Finland.
- * Luiz Augusto Pizzato, University of Sydney, Australia.
- * Aristides Gionis, Yahoo! Research, Spain.
- * Xiongcai Cai, University of New South Wales, Australia.

[[Program Committee]]

- * Mike Bain, University of New South Wales, Australia.
- * Shlomo Berkovsky, CSIRO, Australia.
- * Xiongcai Cai, University of New South Wales, Australia.
- * Gemma Garriga, INRIA Lille Nord Europe, France.
- * Ido Guy, IBM Research, Haifa, Israel.
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- * Irena Koprinska, University of Sydney, Australia.
- * Ulf Kronman, Swedish Research Council, Sweden.
- * Theodoros Lappas, University of California, Riverside, USA.
- * Ashesh Mahidadia, University of New South Wales, Australia.
- * Richi Nayak, Queensland University of Technology, Australia.
- * Panagiotis Papapetrou, Aalto University, Finland.
- * Irma Pasanen, Aalto University, Finland.
- * Vaclav Petricek, eHarmony.com, USA.
- * Luiz Augusto Pizzato, University of Sydney, Australia.
- * Michalis Potamias, Boston University, USA.
- * Evimaria Terzi, Boston University, USA.
- * Wayne Wobcke, University of New South Wales, Australia.
- * Kalina Yacef, University of Sydney, Australia.

* Sihem Amer-Yahia, Qatar Computing Research Institute, Qatar.

[[Invited Speaker]]

Sihem Amer-Yahia, Qatar Computing Research Institute, Qatar.