

PIKM 2014: The 7th ACM Workshop for Ph.D. Students in Information and Knowledge Management

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ABSTRACT

PIKM workshop offers to Ph.D. students the possibility to bring their work to an international and interdisciplinary research community, and create a network of young researchers to exchange and develop new and promising ideas. Similarly to the CIKM, PIKM workshop covers a wide range of topics in the areas of databases, information retrieval and knowledge management.

Categories and Subject Descriptors

H.2.0 [Information Systems]: Database Management; H.2.8 [Information Systems]: Database Management-Database Applications—*Data Mining*; H.3.3 [Information Systems]: Information Storage and Retrieval-Information Search and Retrieval

General Terms

Algorithms, Design, Experimentation, Performance, Theory

Keywords

CIKM, PIKM, doctoral consortium, Ph.D. forum, dissertations, database systems, information retrieval, knowledge management, interdisciplinary work, data mining

1. INTRODUCTION

PIKM is the Ph.D. workshop of the CIKM conference. PIKM aims at giving to Ph.D students the opportunity to present their work to a wide audience, stimulate feedback from reviewers, together with the general CIKM audience, and fa-

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cilite interactions among PhD students. This allows the students to describe their ideas into a scientific article, to practice scientific presentation, and to receive feedback from reviewers, fellow students, and the general CIKM audience. We believe that the research community, too, benefits from such a workshop: Ph.D. theses are the grassroots of research. They point out new research avenues and indicate current promising topics.

PIKM workshop covers topics in all areas of the general CIKM conference. This includes several subjects such as database query processing, semantic search, and data mining. PIKM is a well established workshop. This is the seventh time the workshop is being held, after successful workshops in 2007 [14, 15], 2008 [10, 13], 2010 [9, 8], 2011 [7], 2012 [16, 5], 2013 [11] at CIKM conferences. The workshop is one of the few Ph.D. workshops in conferences to target the three tracks of databases, information retrieval and knowledge management with some emphasis on interdisciplinary research across these tracks as well.

To offer students valuable feedback for their submissions, we form our program committee of experts from academia and industry, including both fresh doctorates and senior researchers, thereby allowing for different viewpoints on the proposed works. The program committee members are from various countries across the globe, including Australia, Belgium, Brazil, Canada, China, Egypt, Germany, Ireland, Israel, Italy, Korea, Qatar, Spain, Switzerland, the UK, and the United States. They have provided tough reviews yet constructive and detailed of papers submitted to the workshop, thus providing the students with useful feedback for their endeavors. We sincerely thank them for their efforts.

PIKM 2014 is organized as a full day workshop with four sessions including the keynote talk. This year, there were 10 submissions from 6 countries. We have selected 4 papers [6, 4, 1, 12, 3, 2] for full oral presentations and 2 papers [6, 4, 1, 12, 3, 2] for short oral presentations addressing the themes of information retrieval, databases, knowledge management, and data mining. This year, we have organized invited talks given by fresh doctorates to present their Ph.D work, share their experiences, and give some advices to early stage PhD students on how to proceed in their work.

2. HIGHLIGHTS OF PIKM2014

Keynote Speaker. Dr. Iadh Ounis from the School of Computing Science of the University of Glasgow. His talk is about creating and refining PhD thesis statements.

Invited Talks.

We have three invited talks with corresponding papers:

1. Facilitating Interactive Mining of Global and Local Association Rules, by Abhishek Mukherji, Samsung Research
2. Two-way Recommendation Methods for Social Networks, by Richi Nayak, Queensland University of Technology
3. Applications of Rule Mining in Knowledge Bases, by Luis Galárraga, Télécom ParisTech University

Best Paper Award. The best paper at PIKM workshop, as determined by the reviews of the program committee members, always receives a best paper award. This year's award will go to Arunav Mishra for his paper on Linking Today's Wikipedia and News from the Past [6]. The paper outlines interesting techniques for matching news and Wikipedia excerpts.

Best Reviewer Award. For his very thorough reviews, this year the best reviewer award goes to Fabian M. Suchanek, Télécom ParisTech, France.

We plan to write a review article that summarizes the proceedings of PIKM 2014. Such articles have been published in SIGIR Forum [15], SIGKDD Explorations [13], and SIGMOD Record [8, 5] for previous PIKM workshops.

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Linas Baltrunas: Telefonica Research, Spain
Rajkumar Buyya: University of Melbourne, Australia
Meeyoung Cha: KAIST, Korea
Maged El Sayed: Alexandria University, Egypt
Renata Guizzardi: Universidade Federal do Espirito Santo, Brazil
Georgiana Ifrim: University College Dublin, Ireland
Evgeny Kharlamov: University of Oxford, UK
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Abhishek Mukherji: Samsung Research, USA
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Josiane Xavier Parreira: DERI/NUI Galway, Ireland
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