Proceedings from the 
First International Workshop on 
Educational Knowledge Management 
(EKM 2014), 

Linköping, November 24, 2014 

Edited by 
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Preface

The First International Workshop on Educational Knowledge Management (EKM 2014) was organized as a satellite event to the 19th International Conference on Knowledge Engineering and Knowledge Management (EKAW), held in Linköping, Sweden, November 24th to 28th, 2014. The workshop was held in the afternoon of the 24th of November.

The interest in Knowledge Engineering and Knowledge Management for the educational domain has been growing in recent years. This can be seen in the series of conferences organized by the International Educational Data Mining Society and in papers discussing the role of knowledge management in higher education. As education is increasingly occurring online or in educational software, resulting in an explosion of data, new techniques are being developed and tested, aiming for instance to improve educational effectiveness, determine the key factors to the success of educational training, support basic research on learning, or manage educational training by satisfying the needs of a community, local industry, or professional development.

The event aimed to bring together researchers, academic and professional leaders, consultants, and practitioners, from the domain of semantic web, data mining, machine learning, linked data, and natural language processing to discuss and share experiences in the educational area.

In the call of papers, we invited submissions reporting original research related to any problem of managing and exploring information in the educational area in schools, colleges, universities, and other academic or professional learning institutions.

A non-exhaustive list of topics for the workshop included the following:

- Educational knowledge management and ontology
- Educational knowledge acquisition, extraction, reuse
- Natural language processing to improve educational effectiveness
- Providing feedback to teachers and other stakeholders generated from EKM methods
- Generic frameworks, methods and approaches for EKM
- Mining the results of educational research
- Educational process mining

Two members of the following program committee have reviewed our submissions:

Halil Ibrahim Bulbul, Gazi University, Turkey
Stefan Dietze, Leibniz University Hanover, Germany
Catherine Faron Zucker, University of Nice Sophia Antipolis, France
Davide Fossati, Carnegie Mellon University, US
Ayako Hoshino, NEC Knowledge Discovery Research Laboratories, NEC Corp, Japan
Roger Nkambou, Université du Québec, Montréal
David Monticolo, University of Lorraine, France
Nuno Pombo, University of Beira Interior, Portugal
Following the reviewers' recommendations, three full papers were accepted for presentation at the workshop and inclusion into the workshop proceedings volume; subject to revisions as recommended by the reviewers. We invite participants and readers to enjoy the workshop program.

Workshop co-chairs

Inaya Lahoud
Lars Ahrenberg

Website: http://www.ida.liu.se/conferences/IWEKM14/

Acknowledgements:

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# Table of Contents

Discovering Educational Potential Embedded in Community Question Answering
Ivan Srba and Mária Bieliková ................................................................. 1

An Agent Based Approach to Annotate Ideas during Creativity Challenges in an Engineering School of Innovation
Davy Monticolo, Chang T. K., and Inaya Lahoud ........................................... 11

Generating Multiple Choice Questions From Ontologies: How Far Can We Go?
Tahani Alsubait, Bijan Parsia, and Uli Sattler ............................................ 19