

Joint workshop proceedings

Preface

These are the joint proceedings of three workshops co-located with SIGIR 2018.

- the First International Workshop on Professional Search (ProfS2018);
- the Second Workshop on Knowledge Graphs and Semantics for Text Retrieval, Analysis, and Understanding (KG4IR);
- the International Workshop on Data Search (DATA:SEARCH18)

ProfS2018: First International Workshop on Professional Search

Organised by:

Suzan Verberne (Leiden University), Jiyin He (CWI), Udo Kruschwitz (University of Essex), Birger Larsen (Aalborg University), Tony Russell-Rose (UXLabs), Arjen P. de Vries (Radboud University)

Abstract:

Professional search in specific domains has been addressed in IR research over the last decades. Although each domain (e.g. legal, medical, academic, governmental) has its own idiosyncrasies, professional search tasks have specific requirements in common that are different from requirements of generic web search engines. These requirements follow directly from the context and needs of professional searchers: Searchers in different domains often exhibit particular search behavior different from general Web search. These unique behavioral patterns can be both a nature of the profession as well as a result of using a particular professional search tool. This workshop addresses the specific requirements for professional search from multiple angles; covering many different facets of professional search in an interactive setting where researchers work with input from information professionals to their mutual benefit. The workshop will deliver a roadmap of research directions for the years to come.

Website:

<https://jiyinhe.github.io/ProfS2018/>

KG4IR18: Knowledge Graphs and Semantics for Text Retrieval, Analysis and Understanding

Organised by:

Laura Dietz (Univ. of New Hampshire), Chenyan Xiong (Carnegie Mellon Univ.), Jeff Dalton (Univ. of Glasgow), Edgar Meij (Bloomberg)

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Abstract:

Semantic technologies such as controlled vocabularies, thesauri, and knowledge graphs have been used throughout the history of information retrieval for a variety of tasks. Recent advances in knowledge acquisition, alignment, and utilization have given rise to a body of new approaches for utilizing knowledge graphs in text retrieval tasks and it is therefore time to consolidate the community efforts and study how such technologies can be employed in information retrieval systems in the most effective way. It is also time to start and deepen the dialogue between researchers and practitioners in order to ensure that breakthroughs, technologies, and algorithms in this space are widely disseminated. The goal of this workshop is to bring together and grow a community of researchers and practitioners who are interested in using, aligning, and constructing knowledge graphs and similar semantic resources for information retrieval applications.

Website:

<http://kg4ir.github.io/>

DATA:SEARCH18: International Workshop on Searching Data on the Web

Organised by:

Paul Groth (Elsevier Labs), Laura Koesten (The Open Data Institute, Univ. of Southampton), Philipp Mayr (GESIS), Maarten de Rijke (Univ. of Amsterdam), Elena Simperl (Univ. of Southampton)

Abstract:

This workshop explores challenges in data search, with a particular focus on data on the web. We want to stimulate an interdisciplinary discussion around how to improve the description, discovery, ranking and presentation of structured and semi-structured data, across data formats and domain applications. We welcome contributions describing algorithms and systems, as well as frameworks and studies exploring human data interaction. We see a large space for discussion and future research in the development of federated data discovery and search technologies, which leverages recent advances in information retrieval, Semantic Web and databases, and is mindful of human factors. The workshop aims to bring together communities interested in making the web of data more discoverable, easier to search and more user friendly.

Website:

<https://datasearch-ws.github.io/2018/>