

The Microsoft Academic Graph: New Applications and Research Opportunities – SAVE-SD 2016 Keynote Talk

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Abstract. The creation and use of knowledge graphs for information discovery, question answering, and task completion has exploded in recent years, but their application has often been limited to the most common user scenarios. The benefits of such models of human knowledge have not yet been fully realized within the domain of scholarship and research outputs, and Microsoft Research is determined to change the way that research information is discovered, analyzed, and exploited. The Microsoft Academic Graph is a new entity graph of research publications, authors, venues, organizations, and topics which is now driving new features in Bing, Cortana, and Microsoft Academic. In addition, Microsoft Research has opened up this dataset to the community new APIs to support further research, experimentation, and development. This talk will highlight how Microsoft is surfacing this information in novel ways, and how the research community can take advantage of these data and APIs to enable new research opportunities.

Keywords: scholarly knowledge graphs

1 Biography

The invited speaker for the opening keynote of the workshop will be Alex Wade¹ from Microsoft.

Alex Wade is Director of Scholarly Communications at Microsoft Research, currently focused on Microsoft Academic, involving aspects of knowledge acquisition, knowledge representation, intentionality, dialog systems, semantic search and intelligent agents.

Alex holds a Bachelor's degree in Philosophy from U.C. Berkeley, and a Masters of Librarianship degree from the University of Washington. During his career at Microsoft, Alex has managed Microsoft's corporate intranet search services, has worked on Windows Search, and has implemented an Open Access policy governing Microsoft Research's scholarly output. Prior to joining Microsoft, Alex worked in the library systems of the University of Washington, the University of Michigan and the University of California at Berkeley.

¹ <http://research.microsoft.com/en-us/people/awade/>