sigweb QUARTERLY

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ACM Special
Interest Group on
Hypertext,
Hypermedia and the
Web

Interview With Siegfried Reich

By Claus Atzenbeck

Full Article: <http://doi.acm.org/10.1145/3210578.3210579>

Siegfried Reich has been a scientific director of Salzburg Research since 2003. Salzburg Research is a non-profit research and technology organization (RTO), which conducts applied research in information and communication technologies (ICTs), focused on the “Internet of Things”. His research interests are in Web Engineering, hypermedia systems, and trajectory computing.

What is special about hypertext?

“At the core, I believe, is still the concept of linking pieces of information and working with and sharing these links. As the range of link complexity is broad – from single-ended one-directional links up to dynamically computed

n-ary spatio-temporal linking – it requires a lot of complex software, information retrieval and interaction know-how. This is what makes hypertext so special: you have the technical engineers, the interaction guys, the narrators and the storytellers. Hypertext has always been multi-disciplinary and user-centered: therefore, it has always been and still is ‘modern’.”

Would you briefly outline how your personal view about hypertext has evolved over time?

“I came to this community from a technological perspective but soon saw that the themes are much broader. Personally I learned that pursuing projects and initiatives

with other research groups with diverse backgrounds can be hard but takes you much further. I am still in exchange with quite a number of researchers and we follow each others updates.”

Dr. Claus Atzenbeck (<http://www.atzenbeck.de>) holds a professor position at Hof University, Germany, and is leading the Visual Analytics research group at the university’s Institute of Information Systems (<http://www.iisys.de>). His research interests in the field of hypermedia include spatial and navigational structures, spatial and temporal parsing for spatial hypertexts, and hypertext narratives. A specific focus of his work is on intelligent user interfaces for visual analytics.

Linked Data Entity Summarization

PhD Extended Abstract

Coordinated by Prateek Jain

By Andreas Thalhammer

Full Article: <http://doi.acm.org/10.1145/3210578.3210580>

Andreas Thalhammer performed his doctoral research at the Institute for Applied Informatics and Formal Description Methods of the Karlsruhe Institute of Technology under the supervision of Rudi Studer. His thesis was focused on Linked Data entities and their concise presentation to end users in a semantic search context. Further, his research was applied in several national and EU-funded research projects with various academic and industrial partners. With their contributions, Andreas and his colleagues received several awards, including the Ted Nelson Newcomer Award for their work "Entity-centric Data Fusion on the Web" (ACM Hypertext 2017). Since January 2017, Andreas has been working for Roche Pharma Research and Early Development Informatics.

Knowledge Base Recall: Detecting and Resolving the Unknown Unknowns

Knowledge Management
Coordinated by Martin Vesely
By Simon Razniewski and Gerhard Weikum

Full Article: <http://doi.acm.org/10.1145/3210578.3210581>

Knowledge bases about entities like people, places and products have become key assets of search and recommender systems. The largest of them contain many millions of entities and billions of facts about them. Nevertheless, they have major gaps and limitations in what they cover, thus posing the challenge of detecting and resolving these "unknown unknowns". This paper provides an overview on the problems in mapping knowledge base recall and the existing approaches to address these issues. Specifically, we discuss i) formalisms and tools for describing incompleteness, ii) rule mining methods to assess recall, iii) text mining methods to this end, and iv) approaches towards relative recall and informativeness.

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An Intelligent Query Approach by Integrating Visual Queries with Full-Text Search

By Pruthvi Shantharaju and Jessica Rubart

Full Article: <http://doi.acm.org/10.1145/3210578.3210582>

This research focuses on a combined query approach for handling structured and unstructured data. A Visual Query System (VQS) is usually developed for handling structured data. It enables end users to formulate queries through visual representations without the need of having knowledge of database and query languages. Full-Text Search (FTS) is an important approach for dealing with unstructured data. Hence, a hybrid system can be developed, which integrates a Visual Query System with a Full-Text Search engine and which acts as an intelligent search interface.

SIGWEB Supported Conferences

By Hamman Samuel

Full Article: <http://doi.acm.org/10.1145/3210578.3210583>

Now in its third decade, SIGWEB has grown considerably and now sponsors seven annual conferences of different sizes and covering a wide range of topics. SIGWEB sponsored conferences focus on timely topics in applied and computational hypertext and Web disciplines and provide a place for members and the entire applied Hypermedia and Web community to exchange ideas and to meet with and expand their network of colleagues. In this article, we provide a brief overview of SIGWEB sponsored conferences, in addition to events that are in cooperation with SIGWEB.

SIGWEB

SIGWEB is a community of scholars, researchers, and professionals who study and use the concepts and technologies of linked information that were originally conceived as hypertext and are most famously realized on the Web. The SIGWEB community's interests range widely and include hypertext in all its forms, social networks, knowledge management, document engineering, digital libraries, and the Web as both an information tool and a social force. SIGWEB encourages innovative research, open discussion of new ideas and the development of methodologies and standards through conferences and a variety of communication resources for its members and the world.

Conferences

TVX 2018	26 – 28 June
UMAP 2018	08 – 11 July
HT 2018	09 – 12 July
OpenSym 2018	22 – 24 August
DocEng 2018	28 – 31 August

Full Article: <http://doi.acm.org/10.1145/3210578.3210583>

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