

ACM symposium on Document Engineering

Milwaukee, October 28-30, 2004

Program

Thursday 28 (*Golda Meir Library Conference Center, UW-Milwaukee*)

8h30-9h00 Registration

9h00-9h15 Opening session

9h15-11h00 Paper Session: Document Querying and Transformation (Chair: J.-Y. Vion-Dury)

- *A Three-way Merge for XML Documents*
Tancred Lindholm
- *Fast Structural Query with Application to Chinese Treebank Sentence Retrieval*
Chia-Hsin Huang, Tyng-Ruey Chuang
- *Querying XML Documents by Dynamic Shredding*
Hui Zhang, Frank Tompa
- *Presenting the Results of Relevance-Oriented Search over XML Documents* (short paper)
Alda Gançarski, Pedro Henriques

11h00-11h30 Break

11h30-12h30 Keynote Speaker Session (Chair: Ethan Munson) *"the XML World View"*

by **Kristoffer H. Rose**, Phd,

IBM Thomas J. Watson Research Center - *Scalable XML Infrastructure for the Next Generation Web*

Abstract: XML is unique in its very broad acceptance throughout both the document engineering and data processing community. This creates a unique opportunity for unifying the traditionally separate worlds and ask questions such as "What are the data relations in my document?" and "How can I read a textual version of my data?", all within the single framework provided by XML. In this talk I'll speculate on how one could view the whole world as a single XML document from which both relational "table" and textual "report" queries are possible.

12h30-14h00 **Lunch**

14h00-15h30 Paper Session: Document Adaptation (Chair: Maria da Graça Pimentel)

- *Supporting Virtual Documents in Just-in-Time Hypermedia Systems*
Li Zhang, Michael Bieber, David Millard, Vincent Oria
- *A document-based approach to the generation of Web applications* (short paper)
Andrea Andrade, Ethan Munson, Maria Pimentel
- *Assisting Artifact Retrieval in Software Engineering Projects* (short paper)
Mirjana Andric, Wendy Hall, Leslie Carr
- *Lightweight Integration of Documents and Services* (short paper)
Nkechi Nnadi, Michael Bieber
- *Personal Glossaries On The WWW: An Exploratory Study* (short paper)
James Blustein, Mona Noor

15h30-16h00 Break

16h00-18h00 Paper Session: Time, Media, Interaction (chair: Vincent Quint)

- *Behavioral Reactivity and Real Time Programming in XML*
Peter King, Patrick Schmitz, Simon Thompson
- *A Question Answer System Using Mails Posted to a Mailing List*
Yasuhiko Watanabe, Kazuya Sono, Yoshihiro Okada
- *A look at some issues during textual linking of homogeneous Web repositories*
José Camacho-Guerrero, Alessandra Macedo, Maria Pimentel
- *Interactive Multimedia Annotations: enriching and extending content*
Rudinei Goularte, Renan Cattelan, José Camacho-Guerrero, Valter Inácio Jr., Maria Pimentel
- *How to Escape From the MPEG7 Bottleneck* (short paper)
Raphaël Troncy, Jean Carrive

20h00 **Conference dinner**

Friday 29 (*Engineering and Mathematical Sciences, room E190, UW-Milwaukee*)

9h00-10h30 Paper Session: **Document Creation I** (Chair: Vincent Quint)

- *The Case for Explicit Knowledge in Documents*
Leslie Carr, Timothy Miles-Board, Arouna Woukeu, Nicholas Gibbins, Gary Wills, Wendy Hall
- *Creating structured PDF files using XML templates*
Matthew Hardy, David Brailsford, Peter Thomas
- *Aesthetic Measures for Automated Document Layout* (short paper)
Steven Harrington, J. Fernando Naveda, Rhys Price Jones, Paul Roetling, Nishant Thakkar
- *Creation of Topic Map by Identifying Topic Chain in Chinese* (short paper)
Ching-Long Yeh, Yi-Chun Chen

10h30-11h00 Break

11h00-12h15 Paper Session: **Document Creation II** (Chair: David Brailsford)

- *Authoring Complex XML Documents*
Vincent Quint, Irène Vatton
- *Delivery of Help and Instructional Information in Spatial Hypermedia*
Luis Francisco-Revilla, Frank Shipman
- *Page Composition using PPML as a link-editing script* (short paper)
Steven Bagley, David Brailsford

12h15-14:15 Break (Lunch not provided)

14h15-16h15 Paper Session: **Document Management** (Chair: Peter King)

- *Managing inconsistent Repositories via prioritized Repair Actions*
Jan Scheffczyk, Uwe M. Borghoff, Peter Rödiger, Lothar Schmitz
- *The Lifecycle of a Digital Historical Document: Structure and Content*
Apostolos Antonacopoulos, Dimosthenis Karatzas, Henryk Krawczyk, Bogdan Wiszniewski
- *Accommodating Paper in Document Databases*
Majed AbuSafiya, Subhasish Mazumdar
- *Strategies for Document Optimization in Digital Publishing*
F. Meneguzzi, L. Meirelles, F. Mano, A. C. Benso da Silva, J. B. Souza de Oliveira

16h15-16:45 Break

16h45-18h30 Paper Session: **Document Analysis** (Chair: Apostolos Antonacopoulos)

- *Customized Capture: Techniques for Automating Scanner Workflows*
Steven Simske, Scott Baggs
- *Visual Signature based Identification of Low-resolution Document Images*
Ardhendu Behera, Denis Lalanne, Rolf Ingold
- *A Framework for Parsing NCL 2.0 Documents*
Heron Silva, Débora Muchaluat Saade, Rogério Rodrigues, Luiz Fernando Soares
- *Document Capture using Stereo Vision* (short paper)
Adrian Ulges, Christoph Lampert, Thomas Breuel

18h30 End of Session

Saturday 30 (*Engineering and Mathematical Sciences, room E190, UW-Milwaukee*)

9h00-10h00 Paper Session: **Theory and Models** (Chair: Marc Dymetman)

- *On Modular Transformation of Structural Content*
Tyng-Ruey Chuang, Jan-Li Lin
- *Logic-Based XPath Optimization*
Pierre Genevès, Jean-Yves Vion-Dury

10h00-10h30 Break

10h30-11h45 Paper Session: **Theory and Models II** (Chair: Tyng-Ruey Chuang)

- *Legacy Document Conversion and Supervised Machine Learning*
Boris Chidlovskii, Jérôme Fuselier
- *Chart Authoring: A principled approach to the intelligent editing of grammar-controlled structured documents*
Marc Dymetman
- *Towards Efficient Implementation of XML Schema Content Models* (short paper)
Pekka Kilpeläinen, Rauno Tuhkanen

11h45-12h15 Closing Session