



INFORMATIK 2009 – Im Focus das Leben

39. Jahrestagung der Gesellschaft für Informatik | 28.9. – 2.10.09 | Universität zu Lübeck

1st Workshop

IIN 2009 - Interacting with Information Networks

Call for Papers

Contents And Main Goals

Relations between objects in large information archives can be represented as a mesh of connected information entities. These relations could, for example, model explicit cross references based on html links or citations, keywords or named entities connecting two objects like a drug name appearing in a lab report and a scientific paper, or vague cross references indicating a content based similarity between text documents. Analyzing such networks in order to retrieve, discover or even create new connections that are yet unknown requires powerful tools for visualization, interaction and mining. While many graph mining tools have already been developed there is a lack of integrated tools that enable a user to interact with huge information networks such that creative information discoveries can be supported. Besides refined mining and aggregation methods the interaction with the mesh itself requires sophisticated visualization methods that have to consider the limited amount of information a user is able to handle at the same time. Therefore the goal of this workshop is to bring together experts from computer science (especially data mining, information visualization and human computer interaction), mathematics as well as cognitive psychology to intensify the exchange of ideas between the different research communities involved, in order to enable the development of advanced tools for creation, analysis and visualization of complex information networks.

Key Aspects

Contributions to the workshop should focus on, but are not limited to:

- Knowledge representation and visualization
- Indexing methods that can be used to create information networks
- Data structures and data bases for information networks
- Graphical Models
- Theoretical foundations of information retrieval and interaction
- Semantic content analysis for text and multimedia
- Query languages and processing
- Creativity
- User and preference modeling (including feedback models)
- Adaptive visualization methods
- Methods for adaptive user interfaces

Participants

The workshop focuses especially on researchers that are working on methods for representation of complex knowledge resources, (dynamic) data analysis methods, semantic and other information networks, and visualization methods as well as user interface design.

Contribution

Prospective authors are encouraged to submit full papers with a length of at most 15 pages. The papers have to be submitted via the submission system of the main conference as PDF document: <https://www.itm.uni-luebeck.de/conftool-gi09>

All submissions are subject to a careful review process by the program committee. Accepted papers will be published in the GI-Edition *Lecture Notes in Informatics (LNI)* and have to be formatted according the authors' guide-lines (www.gi-ev.de/service/publikationen/lni/). At least one of the authors of each accepted contribution has to register for the GI Annual Meeting to be held in Lübeck and will present the paper. For further details see: www.informatik2009.de.

Important Dates

- 26.04.2009 Deadline for paper submission
- 25.05.2009 Notification of acceptance
- 01.07.2009 Camera-ready copy submission

Organization

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