

Human Factors in Information Visualization and Decision Support Systems (HFIDSS)

<http://workshops.communication-science.com/>

Call for Papers

The HFIDSS workshop committee invites researchers and practitioners to submit research articles and research agendas for the following topics. The half-day workshop will take place as part of the “*Mensch und Computer 2016*” conference at RWTH Aachen University in Aachen, Germany. The conference addresses the topics HCI, UX, Usability and CSCW.

The Conference is organized by the HCI-department of the GI (German ACM Chapter) together with RWTH Aachen University, Fraunhofer FIT and GUPA. Accepted papers will be published open-access in the library of the German Computer Science Society (GI) at <http://dl.mensch-und-computer.de/>. The library is indexed by Scopus.

Scope

Various approaches have been developed to grasp Big Data. Machine Learning addresses Big Data by using algorithmic approaches to tackle the sheer size and complexity of data. On the other hand, Visual Analytics is a field that tries to combine information visualization – the science of visually displaying quantitative information – with nearby fields, such as knowledge discovery, cognitive and perceptual sciences, statistical analysis. Bringing those two approaches together is the aim of Human-Computer Interaction and Knowledge Discovery in Databases. The overall aim is to support decision-making on the basis of data. Or, how do we get from large amounts of data



from the digital world into actionable knowledge in the mental world? Many of the hard questions have been approached, yet remain partially unanswered.

- Where is the place of the Human in the Loop?
- How do we design interfaces that support the users in making decisions?
- How do we technically create visualizations that represent hard scientific problems?
- How much does a visualization tool need to be tailored the specific problem, how much generalization is possible?
- What insights can be drawn from a specific visualization, and by whom?

Aims

The aim of the HFIDSS workshop is to identify research agendas for the intersection of Big Data, human-computer interaction and information visualization. What are the most pressing research topics?

Topics

Prospective authors are invited to submit papers on the following topics, but not limited to:

- Human Factors in Information Visualization
- Human Factors in Decision Support Systems
- Human Factors in Visual Analytics
- Human Factors in Recommender Systems
- Human Factors in Scientific Visualizations
- Human in the Loop Data Analysis
- Design Studies for Information Visualization
- Usability and UX of Visualizations
- Studies on Visualization Insight

Important Dates

Submission Deadline: May 30th 2016

Notification of Acceptance: June 15th 2016

Camera Ready: June 30th 2016

Conference & Workshop: Sept. 4th-7th 2016

<http://workshops.communication-science.com/>

