

## **ACM Hypertext 2018 Workshop Proposal**

# **HUMAN – Human Factors in Hypertext**

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### **1 Title of the workshop and suggested acronym**

**Title:** Human Factors in Hypertext

**Acronym:** HUMAN

### **2 Keywords describing the main themes**

User-centric; Information Structuring; UI; Interaction; Cognitive Aspects; Knowledge Work; Collaboration; Intercultural Aspects

### **3 Abstract**

HUMAN is the first workshop of a new series for the ACM Hypertext conferences. It has a strong focus on the user and thus is complementary to the strong machine analytics research direction that could be experienced in previous conferences.

The user-centric view on hypertext not only includes user interfaces and interaction, but also discussions about hypertext application domains. Furthermore, the workshop raises the question of how original hypertext ideas (e. g., Doug Engelbart's "augmenting human intellect" or Frank Halasz' "hypertext as a medium for thinking and communication") can improve today's hypertext systems.

## **4 Description of the workshop**

HUMAN focuses on a human-centric view on hypertext from an interdisciplinary perspective. It targets researchers and developers from various research and business fields that work in the intersecting field of user and hypertext related topics. Furthermore, it supports a critical and open-minded discussion of original hypertext ideas. Relevant topics include (but are not limited to):

- Systems for augmenting human intellect
- User-centric hypertext systems
- User interfaces and interactions
- Cognitive aspects and hypertext
- Collaboration and hypertext
- Information structuring
- Hypertext used for human communication
- Hypertext and decision making
- Spatial hypertext
- Annotation services
- Organizing information
- Information structuring in digital humanities
- User perspectives in adaptive hypertext
- Social aspects of humans using hypertext
- Intercultural aspects in hypertext

## **5 Relevance of the workshop to Hypertext 2018**

HUMAN has many connections to the Hypertext 2018 conference. It fosters the discussion about different hypertext domains and, more important, it explicitly combines original hypertext research ideas with recent hypertext research trends. Human factors are present in all tracks of Hypertext 2018. Thus, this workshop fosters cross-cutting discussions and the development of new ideas.

## 6 Workshop organizers

Both workshop organizers have a strong hypertext background and are long-term contributing members of the hypertext research community. Furthermore, they are actively involved in SIGWEB.

**Dr. Claus Atzenbeck** <<https://iisys.de/ca>> holds a professor position at Hof University, Germany and is leading the Visual Analytics research group at the university's Institute of Information Systems. His research interests in the field of hypermedia include spatial and navigational structures, spatial and temporal parsing for spatial hypertexts, and component-based hypertext systems. A specific focus of his work is on intelligent user interfaces for visual analytics. Dr. Atzenbeck has been involved in various tasks for the previous European Seventh Framework Programme (FP7) and the current European Programme Horizon 2020 including serving as an expert reviewer for proposals or as a collaborating researcher on projects.

**Dr. Jessica Rubart** <<http://tinyurl.com/y8aomxcr>> is professor for business information systems at the Ostwestfalen-Lippe (OWL) University of Applied Sciences, Germany. She has a strong industry background as software architect, project manager, system analyst, and software developer. Her main research areas are flexible information systems, hypertext, groupware and knowledge management as well as software engineering. She is an active member of the Hypertext community for years. She has been program co-chair of Hypertext and Hypermedia 2006 as well as Hypertext and Social Media 2016.

## 7 Motivation

Recent hypertext research is strongly focused on machine analytics. We would like to broaden the scope again to include more research on human factors. Historically, hypertext research is strongly connected with human factors. Hypertext pioneers, such as Doug Engelbart or Ted Nelson, have focused on human factors in hypertext (e. g., Doug Engelbart's "augmenting human intellect" or Ted Nelson's information structure "ZigZag"). This workshop combines original hypertext research ideas with recent hypertext research trends. In addition, the motivation is to consolidate different hypertext research areas from the viewpoint of human factors.

## 8 Workshop and submission formats

- Research or position papers: short papers 2–5 pages; full papers 6–9 pages
- Workshop format: presentations at the workshop

## 9 Length

Half day workshop. In case there are too many high quality submissions, we would consider to extend the workshop to a full day.

## **10 Plan for further publication**

Depending on the quality and number of the submissions we consider to invite selected contributions to be published in an extended version at Springer's Lecture Notes of Computer Science.

## **11 Initial list of (potential) members of the program committee**

Potential PC members include (in alphabetical order):

Alexandra Cristea; Charlie Hargood; David Millard; Jamie Blustein; Manolis Tzagarakis; Mark Anderson; Mark Bernstein; Niels Olof Bouvin; Rosta Farzan; Stacey Mason; Yeliz Yesilada