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WORKSHOP Proposal WIMS 2013

Human-Semantic Web Interaction (HSWI) Workshop

Duration

Half day (for 6 accepted submissions or less).

Abstract

There are many technological and socio-technical challenges in semantic web, linked data and web science that may benefit from research techniques and other approaches from interaction design, user-centered design and related disciplines. The proposed workshop aims at bringing expertise and insights from the domain of human-computer interaction (HCI) to help address fundamental challenges in semantic web systems design. It is proposed as part of a set of activities which include a Special Issue of the SWJ, and a W3C Community .

Description

The adoption of Semantic Web technologies implies new challenges for user interaction beyond those already posed by Web technologies and interactive systems in general. The workshop aims to explore and evaluate good practices in interface design, and ultimately feed into possible recommendations for standardizing and consolidating knowledge and good practices into a set of guidelines for semantic web developers, to ensure the usability and reasonably functional user experiences of the next generation of SW applications.

Topics of interest

- Requirements for supporting the design and implementation of user interfaces for semantic applications
- Natural Language Interfaces
- Interaction styles and requirements, including new/emergent types of interactions
- Models for specifying structure and behavior of semantic interfaces
- Lessons learned from developing, evaluating and using semantic interfaces
- Defining Semantic Interfaces: concepts, requirements
- Literature reviews and methodologies
- Stakeholders perspectives
- Sensemaking
- Semantic search interfaces
- Use Cases/Case Studies, best practices, evaluations
- New web based interaction technologies (Gesture, Touch, Mind-Web Interfaces, etc.)UI/UX paradigms for semantic applications on mobile devices, taking into account on-board sensors (think: SIRI/Google Now on steroids)
- Visualization in semantic interfaces

Types of submissions

For providing a forum for sharing novel ideas, we welcome a broad spectrum of contributions, including

- Full research papers
- Position papers
- Case Studies
- Descriptions of Experiments
- Evaluations

(Most types of paper submissions welcome, if in doubt, contact the organisers)

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Proposed Program Committee

The following researchers have *double* confirmed their participation in the workshop program committee:

Lloyd Rutledge, Open Universiteit , Netherlands

Ian Dickinson, Epimorphic, UK

Ora Lassila, Nokia, USA

Michael Hausenblas, DERI, NUI Galway Ireland

Paul Mulholland, The Open University , UK

Jacco van Ossenbruggen, CWI ,Netherlands

Tim Hussein, University of Duisburg-Essen Germany

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Tru Cao National University, Vietnam

Stephan Lukosch, Delft University of Technology, Netherlands

Han Woo Park, YeungNam University, South Korea

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Estimated number of submissions

We estimate between 12 and 18 submissions.

Previous Editions

This is the first time this workshop is proposed. It is however related to workshops such as [SWUI](#), [SEMAIS](#), and [SWAHA](#).

Publicity Plan

The workshop will be promoted via a network of academic contributors and practitioners organized around the W3C Community Group on Semantic Web Interfaces (<http://www.w3.org/community/swisig/>), chaired by one of the proposers, Paola Di Maio.

Selected workshop papers will be considered for inclusion in a special issue of the Semantic Web Journal (SWJ).

Important dates

07.02.2013 – workshop papers submission deadline

10.03.2013 – notification of acceptance for Workshop papers

30.03.2013 – submission of camera ready versions of accepted Workshop papers

12-14.06.2013 – conference days

Publishing

Proceedings will be published in conjunction with WIMS'13. Extended versions of selected best contributions will be invited to a special issue of the Semantic Web Journal.

Workshop @WIMS'13

The proposed workshop is related with the following WIMS 2013 topics:

- Semantic Data Search
- Interaction Paradigms for Semantic Search
- Evaluation of Semantic Search
- Linked Data Applications and Architectures
- User Interfaces for the Web of Data
- Ubiquitous Intelligence
- Intelligent e-Technology and Semantic Web