

Web2Touch 2018: Semantic technologies for smart information sharing and web collaboration

Conference Track @ 27th IEEE WETICE 2018

Paris, France, June 27-29, 2018

<http://web2touch2018.gear.host/>

Objectives

Web2Touch (W2T), since its early days, is committed to bringing solutions for collaborative work using the Web. New advances in Web-based systems are the driver for changes in cooperative activities, risk facing, actions in cybersystems and in smart environments, where human activities are performed preferably via the internet and the Web. Web practitioners, users and applications exploit, in rapidly varying ways, the richness of the Web to support the user activities. Based on these considerations, the Web2Touch track tackles knowledge engineering based on software and artificial intelligence, and new methods for Knowledge Organization Systems (KOS) (e.g. ontologies, taxonomies, etc.), with a focus on information creation, maintenance, disambiguation and other techniques on the Web. Reasoning and deep learning techniques are also considered, since these lead to better decisions or awareness of events. W2T deepens the concept of working together by exploring themes including decision support assistance, collective intelligence, semantic search, smart environments, intentions-based analysis, and other collaborative-based ways for problem solving. W2T wants to explore the state-of-the-art on these topics, accommodating also users' practical experiences as well as trends and research topics, paving the way for future collaborative approaches to knowledge engineering.

In the previous editions of W2T, which started in 2007, best papers were published in International Journals, such as Journal of Web Portals (2011 and 2013), Concurrency and Computation and Collaborative Enterprise (2013), and Future Generation Computer Systems (2015 and 2016).

Topics Covered

Web2Touch (W2T) concerns improvements obtained through enhanced organization and management of knowledge. Examples are models and tools to represent dynamic changes in shared information, smart (context-aware) Web applications, and new domains of application of semantic techniques, such as Industry 4.0 integrating social networks, big data, Internet of Things, enhanced connectivity, and mobile technologies. W2T is also about practical experiences in both well established and emerging interdisciplinary applications, including eHealth, smart cities, smart companies, entertainment, eLearning, education, and digital agriculture. Contributions addressing one or more of the following topics are expected:

- Ontologies
 - Ontology tools and ontology engineering
 - Ontology and knowledge reuse and integration
- Semantic sharing and collaborative knowledge management
 - Data integration from different sources and with different formats/semantics including big Web data, linked open data, crowdsourced data, social data, knowledge networks data
 - Crowdsourcing techniques for semantic collaboration
 - Use of semantics in mobile Web, wearable computing, and cross-device content management and delivery
 - Semantic annotations, 'semantifying' collaborative Web sources and Semantic technologies for Information Extraction Transformation and Loading (ETL)
 - Semantic-based Decision Support
- Collaborative semantic Web techniques and applications
 - Experiences and best practices in semantic Web support for collaborative work and business
 - Semantic techniques for encouraging cultural progress and enhancing community involvement
 - Collaborative semantic Web in interdisciplinary applications such as Web science, eHealth, education, entertainment, smart environments, smart factories in the Industry 4.0, and digital agriculture
 - Privacy, security and safety in dangerous and risky environments (cybersecurity and risks in cybersystems).

Important Dates

- ◆ Submission deadline: **March 25, 2018 (extended)**
- ◆ Notification of acceptance: **April 08, 2018**
- ◆ Camera ready papers: **April 13, 2018**
- ◆ Conference: **June 27-29 2018**

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Paper Submission

Papers submitted to W2T 2018 must be written in English, formatted according to IEEE WETICE 2018 formatting instructions, and submitted in PDF format. Papers should be up to six (6) pages long (including figures, tables and references); they should contain original contributions *not published or submitted elsewhere*. Papers have to be submitted through the EasyChair system <http://web2touch2018.gear.host/>. Consider olgafernanda@gmail.com and mariagrazia.fugini@polimi.it for your questions.