

## Call for Papers

### **The Sixth IEEE International Conference on Semantic Computing (IEEE ICSC 2012) September 19<sup>th</sup>- 21<sup>st</sup>, 2012 Palermo, Italy**

The field of Semantic Computing addresses the derivation of semantic information from content and the connection of semantics to knowledge, where "content" may be anything including video, audio, text, processes, services, hardware, networks, etc.

The Sixth IEEE International Conference on Semantic Computing (ICSC 2012) continues to foster the growth of a new research community. The conference builds on the success of the past ICSC conferences as an international forum for researchers and practitioners to present research that advances the state of the art and practice of Semantic Computing, as well as identifying emerging research topics and defining the future of the field. The event is located in Palermo, Italy on the Piazza

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. The technical program of ICSC 2012 includes workshops, invited keynotes, paper presentations, panel discussions, industrial 'show and tells', demonstrations, and more. Submissions of high-quality papers describing mature results or ongoing work are invited.

#### **SUBMISSIONS**

Authors are invited to submit **Regular Papers** (8-page technical paper), **Short Papers** (4-page technical paper),

#### **Demonstration Papers and Posters**

(2 page technical paper), and

#### **Workshop and Special Session Proposals**

. More information is available on the ICSC 2012 web page. The Conference Proceedings will be published by IEEE Computer Society Press. Distinguished quality papers presented at the conference will be selected for publication in internationally renowned journals.

#### **AREAS OF INTEREST INCLUDE (but are not limited to):**

##### **Semantics based Analysis**

- Natural language processing
- Image and video analysis
- Audio and speech analysis
- Data and web mining
- Behavior of software, services and networks
- Services and networks
- Security
- Privacy
- Analysis of social networks

## Semantic Integration

- Metadata and other description languages
- Database schema integration
- Ontology integration
- Interoperability and service integration
- Semantic programming languages and software engineering
- Semantic system design and synthesis

## Applications using Semantics

- Search engines and question answering
- Semantic web services
- Content-based multimedia retrieval and editing
- Context-aware networks of sensors, devices and applications
- Devices and applications
- Digital library applications
- Machine translation
- Music description
- Medicine and Biology
- GIS systems and architecture

## Semantic Interfaces

- Natural language interfaces
- Multimodal interfaces
- Human centered computing

## IMPORTANT DATES:

- **Feb 20<sup>th</sup>, 2012:** Workshop Proposals
- **March 31<sup>th</sup>, 2012:** Special Session Proposals
- **May 18<sup>th</sup> 27<sup>th</sup>, 2012:** Regular & Short Paper Submission **EXTENDED**
- **May 18<sup>th</sup> 27<sup>th</sup>, 2012:** Demo Descriptions & Posters **EXTENDED**
- **June 28<sup>th</sup> July 6<sup>th</sup>, 2012:** Notification Date
- **July 15 20<sup>th</sup>, 2012:** Camera-Ready & Registration **EXTENDED**

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Note:

1. Every paper accepted for publication in the Proceedings of ICSC 2012 MUST be presented during the conference.
2. Every paper accepted for ICSC 2012 MUST have attached to it at least one registration at the full member/nonmember rate. Thus, for a paper for which all authors are students, one student author will be required to register at the full registration rate.