The 6th International Workshop on Scalable Semantic Web Knowledge Base Systems (SSWS2010)

At the 9th International Semantic Web Conference (ISWC2010), Shanghai, China, November, 2010

SSWS 2010 PC Co-chairs' Message

SSWS 2010 was the sixth instance in the sequence of successful Scalable Semantic Web Knowledge Base Systems workshops. This workshop focused on addressing scalability issues with respect to the development and deployment of knowledge base systems on the Semantic Web. Typically, such systems deal with information described in Semantic Web languages like OWL and RDF(S), and provide services such as storing, reasoning, querying and debugging. There are two basic requirements for these systems. First, they have to satisfy the applications semantic requirements by providing sufficient reasoning support. Second, they must scale well in order to be of practical use. Given the sheer size and distributed nature of the Semantic Web, these requirements impose additional challenges beyond those addressed by earlier knowledge base systems. This workshop brought together researchers and practitioners to share their ideas regarding building and evaluating scalable knowledge base systems for the Semantic Web.

This year we received 12 submissions. Each paper was carefully evaluated by two or three workshop Program Committee members. Based on these reviews, we accepted eight papers for presentation. The topics of the selected papers span the areas of large scale data stores, optimized representation mechanisms, and query processing. We sincerely thank the authors for all the submissions and are grateful for the excellent work by the Program Committee members.

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Achile Fokoue
Yuanbo Guo
Thorsten Liebig

Program Commitee

Achile Fokoue
IBM Watson Research Center, USA

Yuanbo Guo
Microsoft, USA

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Table of Contents