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 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.

October 2010

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<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuring a Self-Organized Semantic Storage Service</td>
<td>1</td>
</tr>
<tr>
<td>Hannes Mühleisen, Tilman Walther, Anne Augustin, Marko Harasic and Robert Tolksdorf</td>
<td></td>
</tr>
<tr>
<td>Scalable In-memory RDFS Closure on Billions of Triples</td>
<td>17</td>
</tr>
<tr>
<td>Eric Goodman and David Mizell</td>
<td></td>
</tr>
<tr>
<td>SPARQL to SQL Translation Based on an Intermediate Query Language</td>
<td>32</td>
</tr>
<tr>
<td>Sami Kiminki, Jussi Knuuttila and Vesa Hirvisalo</td>
<td></td>
</tr>
<tr>
<td>Towards a better insight of RDF triples Ontology-guided Storage system abilities</td>
<td>48</td>
</tr>
<tr>
<td>Olivier Curé, David Faye and Blin Guillaume</td>
<td></td>
</tr>
<tr>
<td>Avalanche: Putting the Spirit of the Web back into Semantic Web Querying</td>
<td>64</td>
</tr>
<tr>
<td>Cosmin Basca and Abraham Bernstein</td>
<td></td>
</tr>
<tr>
<td>RDFMatView: Indexing RDF Data using Materialized SPARQL queries</td>
<td>80</td>
</tr>
<tr>
<td>Roger Castillo, Christian Rothe and Ulf Leser</td>
<td></td>
</tr>
<tr>
<td>B+Hash Tree: Optimizing query execution times for on-Disk Semantic Web data structures</td>
<td>96</td>
</tr>
<tr>
<td>Khoa Nguyen, Cosmin Basca and Abraham Bernstein</td>
<td></td>
</tr>
<tr>
<td>Progressive Semantic Query Answering</td>
<td>112</td>
</tr>
<tr>
<td>Giorgos Stamou, Despoina Trivela and Alexandros Chortaras</td>
<td></td>
</tr>
</tbody>
</table>