<table>
<thead>
<tr>
<th>Title</th>
<th>Knowledge Sharing and Filtering on Semantic Web 2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author(s)</td>
<td>Kruk, Sebastian Ryszard; Gzella, Adam</td>
</tr>
<tr>
<td>Publication Date</td>
<td>2007</td>
</tr>
<tr>
<td>Item record</td>
<td><a href="http://hdl.handle.net/10379/576">http://hdl.handle.net/10379/576</a></td>
</tr>
</tbody>
</table>
Knowledge Sharing and Filtering on Semantic Web 2.0

Sebastian Ryszard Kruk, Adam Gzella

Poster Session - Wednesday

Description/Abstract of Presentation:
E-learning and other popular services that grow on the fertile soil of the Internet technologies usually fail to reach their full potential. With new, emerging technologies of the second generation Internet there is even more to be captured and adopted: knowledge sharing with blogs, wikis, and social bookmarking services are examples of such technologies.
Social Semantic Collaborative Filtering is a solution which adapts semantic web technologies to collaborative filtering solutions based on predefined social networks. In other words, users can classify and share their knowledge in a fashion similar to del.icio.us, but based on semantic annotations, linking to existing knowledge organization systems (thesauri, taxonomies). Provided solution does not only allow to organize existing information with nice AJAX interface, but also to blog on resources and browse, and share content of other blogs and forums (with SIOC exporters).

We will present:
- the social semantic collaborative filtering (SSCF)
- how SSCF has been extended to support blogs and forums
- how this can be adapted to improve user experience in e-learning
- how a digital library system, JeromeDL, utilizing this technology can be used as an interactive knowledge sharing repository

Additional Information about Presentation
Social Semantic Collaborative Filtering is not just another del.icio.us-like solution. It has been build with the semantic web and social networks in mind (compared to del.icio.us and similar); therefore it offers much richer features, while still providing easy to use user interface.
Registered users of any JeromeDL instance, such a http://library.deri.ie/ can experience themselves the features delivered by SSCF.

Speaker's Biography
Sebastian Ryszard Kruk - Researcher in DERI, National University of Ireland, Galway, Ireland; affiliated with Gdansk University of Technology, Poland under Corrib.org cluster project
Project leader of the Corrib.org cluster project; director of the Semantic Infrastructure lab in the eLearning Cluster
His main area of interest covers the Semantic Web, digital libraries, information retrieval, security and distributed computing.
Together with Henryk Krawczyk he came up with an idea of the semantic digital library which was implemented first at GUT as Elvis-DL. At the moment he continues working on this system under JeromeDL project. He has initiated work on MarcOnt Initiative and FOAFRealm project. He contributes to the Open Source community with a number of other projects.

Adam Gzella is a PhD students at DERI NUI Galway, Ireland. He is an active member of an semantic digital libraries community. He works on Social Semantic Search and Browsing infrastructure project at the Semantic Infrastructure Lab in the eLearning Cluster in DERI Galway.

Speaker Books, articles, publications
http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/k/Kruk:Sebastian_Ryszard.html
http://library.deri.org/preview?author=mailto@sebastian.kruk.deri.org

Have you given this presentation before?
Similar material was presented before at FOAF Workshop 2004, Semantic Desktop Workshop at ISWC 2005, ASWC2006

Level/Type of Audience/Experience the Presentation is Aimed At:
Technical Introductory

Track:
Semantic Web
Query and Search
Semantic Applications
Knowledge Management

**Treatment:**
General Research