

Ontologies and Social Semantic Web for Intelligent Educational Systems (SWEL)

Special Track at
The 24th International FLAIRS Conference
In cooperation with the American Association for Artificial Intelligence
Palm Beach, Florida, USA
May 18th – 20th, 2011

Paper submission deadline: November 22nd, 2010.

Notifications: January 21st, 2011.

Camera ready version due: February 21st, 2011

<http://compsci.wssu.edu/iis/swel/SWEL11/>

All accepted papers will be published as FLAIRS proceedings by the AAAI.

Call for Papers

Ontologies, the Semantic Web, and the Social Semantic Web offer a new perspective on intelligent educational systems by providing intelligent access to and management of Web information and semantically richer modeling of the applications and their users. This allows for supporting more adequate and accurate representations of learners, their learning goals, learning material and contexts of its use, as well as more efficient access and navigation through learning resources. The goal is to advance intelligent educational systems, so as to achieve improved e-learning efficiency, flexibility and adaptation for single users and communities of users (learners, instructors, courseware authors, etc). This special track follows the workshop series "Ontologies and Semantic Web for e-Learning"- SWEL which was conducted successfully from 2002-2009 at different hosting conferences (<http://compsci.wssu.edu/iis/swel/>).

What is the GOAL of the track?

The goals of the SWEL @ FLAIRS 2011 Special Track are: (1) to discuss the current state-of-the-art in using ontologies and Semantic Web technologies in e-learning applications; and (2) to attract the interest of the related research communities to the problems in the educational Social Semantic Web and serve as an international platform for knowledge exchange and cooperation between researchers.

Who might be interested?

Researchers interested in using ontologies, Semantic Web and Social Semantic Web technologies in Web-based educational systems, distributed hypermedia and open hypermedia systems, as well as in Web Intelligence and Semantic Web / Social Semantic Web engineering.

What kind of submissions will be of interest?

Papers and contributions are encouraged for any work relating to the application of ontologies, Semantic Web, and Social Semantic Web technologies to education. Topics of interest may include (but are in no way limited to):

- Building ontologies for e-learning:
 - ontology development;
 - theoretical issues in ontology engineering.
- Using ontologies and Semantic Web standards in e-learning applications:
 - to represent learning content (knowledge);
 - to organize learning repositories / digital libraries;
 - to enable sharable learning objects and learner models;
 - to support authoring of intelligent Web-based educational systems;
 - to support adaptive modularised and standardized architectures;
 - to exchange user model information between Semantic Web applications;
 - to facilitate the reuse of content and tools in different contexts and cultures.
- Using Semantic Web and Social Web techniques for adaptation and personalization of e-learning applications:
 - to support personalized information retrieval;
 - to support adaptive information filtering;
 - to support mobile learning applications personalization;
 - to support intelligent learning group formation;
 - to support collaborative learning.
- Educational dimensions of the Social Semantic Web:
 - collaborative tagging of learning resources;
 - semi-formal ontologies, taxonomies and folksonomies in education;
 - social perspective: motivations and benefits of Social Semantic Web approaches in education
- Real-world systems, case studies and empirical research for semantics-based Web educational systems:
 - lessons learnt;
 - best practices;
 - case studies for improved learners, instructors and authors experience.

Note: We invite **original** papers (i.e. work not previously submitted, in submission, or to be submitted to another conference during the reviewing process).

Submission Guidelines for the SWEL Track

Interested authors should format their papers according to [AAAI formatting guidelines](#). The papers should be original work (i.e., not submitted, in submission, or submitted to another conference while in review). Papers should not exceed 6 pages (2 pages for a poster) and are due by November 22nd, 2010. For FLAIRS-24, the 2011 conference, the reviewing is a double blind process. Fake author names and affiliations must be used on submitted papers to provide double-blind reviewing. Papers must be submitted as PDF through the EasyChair conference system, which can be accessed through the main conference web site (<http://www.flairs-24.info/>). Note: do not use a fake name for your EasyChair login - your EasyChair account information is hidden from reviewers. Authors should indicate the SWEL special track for submissions. **The proceedings of FLAIRS will be published by the AAAI.** Authors of accepted papers will be required to sign a form transferring copyright of their contribution to AAAI. An author of each accepted paper is required to register, attend, and present the paper at FLAIRS.

Please, check the website <http://www.flairs-24.info/> for further information.

Organizing Committee

Darina Dicheva, Winston-Salem State University, USA, dichevad@wssu.edu
Riichiro Mizoguchi, University of Osaka, Japan, miz@ei.sanken.osaka-u.ac.jp
Roger Nkambou, Université du Québec, Montréal, Canada, Nkambou.Roger@uqam.ca
Niels Pinkwart, Clausthal University of Technology, Germany, niels.pinkwart@tu-clausthal.de

Program Committee

Ig Ibert Bittencourt, Federal University of Alagoas, Brazil
Lillian N. Cassel, Villanova University, USA
Federica Cena, , University of Turin, Italy
Evandro Costa, Federal University of Alagoas, Brazil
Cyrille Desmoulins, University of Grenoble, France
Paloma Diaz, Universidad Carlos III de Madrid, Spain
Vania Dimitrova, Univeristy of Leeds, UK
Peter Dolog, Aalborg University, Denmark
Martin Dzbor, T-Systems, Slovakia
Albert Esterline, North Carolina A&T State University, USA
Rosta Farzan, Carnegie Mellon University, USA
Jeffrey Forbes , Duke University, USA
Serge Garlatti, Institut TELECOM, TELECOM Bretagne, France
Monique Grandbastien, LORIA, France
Yusuke Hayashi, University of Osaka, Japan
Seiji Isotani, HCII, Carnegie Mellon, USA
Jelena Jovanovic, University of Belgrade, Serbia and Montenegro
Lydia Lau, University of Leeds, UK
Gordon McCalla, Uniersity of Saskatchewan, Canada
Erica Melis, DFKI, Germany

Dave Millard, University of Southampton, UK
Tanja Mitrovic, University of Canterbury, New Zealand
Rafael Morales, Universidad de Guadalajara, Mexico
Demetrios Sampson, Center for Research and Technology - Hellas, Greece
Miguel-Angel Sicilia, University of Alcalá, Spain
Sergey Sosnovsky, DFKI, Germany
Thanassis Tiropanis, University of Southampton, UK
Maria Felisa Verdejo, Univ. Nacional de Educación a Distancia, Spain

Further Information

Questions regarding the SWEL Special Track should be addressed to the track co-chairs:

Darina Dicheva, Winston-Salem State University, USA, dichevad@wssu.edu

Riichiro Mizoguchi, University of Osaka, Japan, miz@ei.sanken.osaka-u.ac.jp

Roger Nkambou, Université du Québec, Montréal, Canada, Nkambou.Roger@uqam.ca

Niels Pinkwart, Clausthal University of Technology, Germany, niels.pinkwart@tu-clausthal.de

Questions regarding any other FLAIRS special tracks should be addressed to the FLAIRS special track coordinator: Chutima Boonthum-Denecke, chutima.boonthum@hamptonu.edu

Conference Chair: Hans Guesgen, Massey University, New Zealand

Program Co-Chairs: Chas Murray, Carnegie Learning, USA

Philip McCarthy, University of Memphis, USA

Special Track Coordinator: Chutima Boonthum-Denecke, chutima.boonthum@hamptonu.edu

Conference Web Sites

Paper submission site: follow the link for submissions at <http://www.FLAIRS-24.info>

SWEL Special Track web page: <http://compsci.wssu.edu/iis/swel/SWEL11/>

Florida AI Research Society (FLAIRS): <http://www.flairs.com>