

XIV International Symposium on Computers in Education, SIIE 2012

Towards an effective social learning

Andorra La Vella, Principality of Andorra

29-31 October, 2012

<http://sie12.uols.org/>

Call For Papers

Last Call

Organization

Asociación para el Desarrollo de la Informática Educativa (ADIE)

La Salle Open University

Asociación de Técnicos en Informática (ATI)

Spanish Chapter of the IEEE Education Society

IEEE Education Society (to be confirmed)

Aims

The International Symposium on Computers in Education (SIIE) is an international forum for the presentation and debate of the latest research advances on the use of Information and Communication Technologies (ICTs) in Education. The Symposium aims at becoming a major point of contact between researchers, developers, institutional representatives and educators willing to share their points of view, knowledge and experiences.

This is the fourteenth edition of SIIE and it has as main topic the advances in learning technologies and the practical application of them from a Web 2.0 point of view. The idea is to contribute demonstrating the acceptance and consolidation of this approach in learning processes in every level, i.e., formal, non-formal or informal ones, and the evolution towards social-semantic approach too, more related to Web 3.0.

Scope

Regarding the main symposium theme or in a complementary way, topics relevant to the conference include, but are not limited to, the following:

- Learning analysis
- Application of pedagogical theories to design educational software
- Web semantic applied to education

- Educational software for specific domains
- Distance, on-line and blended learning
- Collaborative learning
- Mobile/ubiquitous computing in education
- Authoring of educational materials
- Open Knowledge in Education
- Design and standardization of educational technologies, modelling languages and metadata
- Design, development and evaluation of innovative educational software
- Assessment: Theories, methods, tools and experiences
- Personal Learning Environments
- Teacher training in ICT
- Knowledge, technology and competences management in Education
- Artificial Intelligence in Education
- Human-computer interaction in education
- Virtual and remote laboratories
- Methodologies of use and innovative experiences with educational software
- Educational data mining
- Multimedia, hypermedia and visualization in education
- Virtual worlds in Education
- Educational robotics
- Web-based systems of courses, tools and resources
- Learning Management Systems: Architectures and platforms
- Non-formal and informal learning in workplace
- Games and simulations in Education
- Social web and communities of practice

Contributions

The Symposium welcomes high quality contributions describing original work of Computers in Education. Contributions can be of any of the following three categories: papers, software demonstrations and posters. Contributions can be written in Spanish, Portuguese or English.

All contributions must be sent as PDF files and follow the official IEEE Proceedings format guidelines (http://www.ieee.org/conferences_events/conferences/publishing/templates.html). Contributions will be limited to the following number of pages: papers (6 pages), software demonstrations (4 pages) and posters (2 pages).

Submissions must be made using the conference management system available in the SIEE 2012 web page (<http://sie12.uols.org/>).

Accepted papers will be published in the Symposium Proceedings (CD-ROM with ISBN) and distributed to participants. These proceedings will be published as post-proceedings in IEEE Xplore (to be confirmed).

Moreover, several selections of the best papers will be made and published as extended papers in different journals. At the moment, we have confirmed special issues in the following:

- Computers in Human Behavior (<http://www.journals.elsevier.com/computers-in-human-behavior/>). Special Issue on “Human Behaviors in Computer-based Education Systems”

- Journal of Universal Computer Science (<http://www.jucs.org/>). Special Issue linked to the International Research Projects on Socio-Semantic Technologies Applied to Education Special Session (<http://grial.usal.es/grial/node/210>)
- Journal of Research and Practice in Information Technology (<http://www.acs.org.au/jrpit/>). Special Collection.
- International Journal of Learning and Intellectual Capital (<http://www.inderscience.com/browse/index.php?journalCODE=ijlic>)
- IEEE RITA Journal (<http://rita.det.uvigo.es/>)
- ADIE Journal, IE Comunicaciones (<http://www.adie.es>)
- Novática Journal (<http://www.ati.es/novatica/>)
- Teoría de la Educación. Educación y Cultura en la Sociedad de la Información – TESI Journal (<http://revistatesi.usal.es>)
- Annual publication (TICAI) of the Spanish, Portuguese and Brazilian chapters of the IEEE Education Society (<http://webs.uvigo.es/cese/TICAI>).

As an innovation, we will be introducing the “Antonio Vaquero” prize for the best SIIE 2012 research paper.

Associated Events

- SIIE 2012 Special Session on International Research Projects on Socio-Semantic Technologies Applied to Education (<http://grial.usal.es/grial/node/210>)
- 3er Taller en Ingeniería del Software en e-Learning (ISELEAR'12) (<http://ilsa.fdi.ucm.es/iselear-12/iselear12.php>)

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Important dates

- Paper submission: April 16–June 14, 2012
- Authors notification: July 11, 2012
- Deadline for final paper submission: July 25, 2012
- Deadline for registration of authors with accepted papers: September 10, 2012
- SIIE Conference: October 29-31, 2012