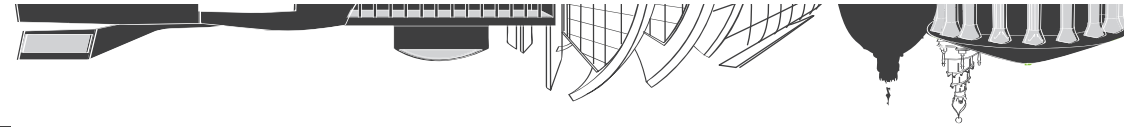
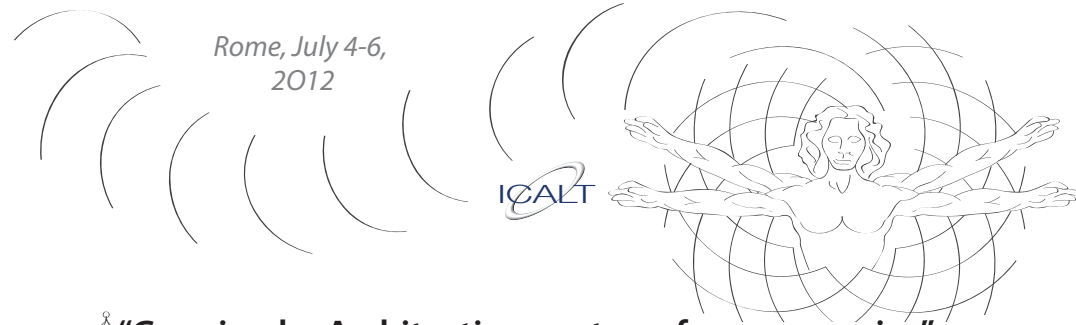


Theme of the 2012 edition is:  
 "Growing by architecting on top of our memories"  
 with design inspired learning, fostering creativity and fun, complex educational experiences and their monitoring, ubiquitous learning and flexible environments as featured topics (full list of Topics of Interest inside).  
 The technical program will feature keynote addresses, workshops, tutorials, panels, industrial track, European project track, in addition to presentations of refereed papers (full, short, posters, doctoral consortium).



# 12th IEEE International Conference on Advanced Learning Technologies

Rome, July 4-6,  
 2012



**"Growing by Architecting on top of our memories"**

<http://www.scuolaiad.it/ICALT2012/>

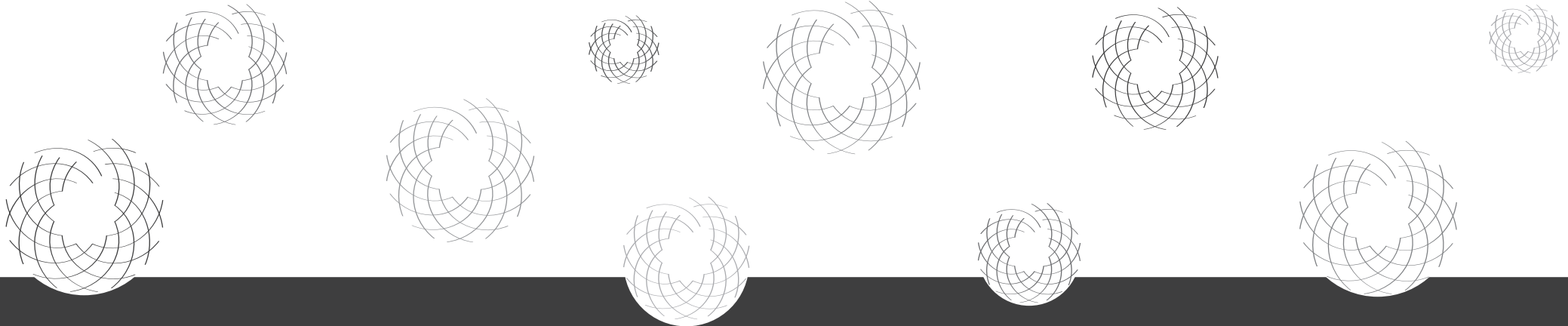


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*ICALT is an annual international conference on Advanced Learning Technologies and Technology-enhanced Learning organized by IEEE Computer Society and IEEE Technical Committee on Learning Technology.*

*After its kick-off as IWALT in Palmerston North, New Zealand (2000), ICALT has been held in New Zealand (2000), Madison, USA (2001), Kazan, Russia (2002), Athens, Greece (2003), Joensuu, Finland (2004), Kaohsiung, Taiwan (2005), Kerkade, The Netherlands (2006), Niigata, Japan (2007), Santander, Spain (2008), Riga, Latvia (2009), Sousse, Tunisia (2010), Athens, Georgia, USA (2011).*

*The 12th edition will be held in Rome-Italy at the headquarters of the National Council of Research (CNR), and is organized by the laD School of the University of Rome Tor Vergata.*



## TOPICS OF INTEREST

Topics of interest include but are not limited to:

- Learning Systems, Environments and Architectures
- Adaptive, Personalized and Context-aware Technology-Enhanced Learning & Education
- Virtual Worlds for Academic, Organizational, and Life-Long Learning & Education
- Ambient Intelligence and Smart/Flexible Environments for Learning & Education
- School of the Future and Future Classrooms
- Wireless, Mobile, Ubiquitous and Pervasive Technologies for Learning & Education
- Computer Supported Collaborative Learning & Education
- Social Computing for Learning and Knowledge Sharing
- Affective Computing for Learning & Education
- Design for the Experience, Interaction Design and HCI in Technology-enhanced Learning & Education
- Rethinking Pedagogy and Processes in Technology-enhanced Learning & Education
- Design Inspired learning: Theories, Methodologies & Tools
- e- Assessment, e-Evaluation and e-Monitoring: Theories, Methodologies & Tools
- Digital Game and Intelligent Toy Enhanced Learning & Education
- Fostering creativity in Technology-enhanced Learning & Education
- Motivation and engagement in Technology-enhanced Learning & Education
- Knowledge and Competencies Management
- Data Mining and Web Mining in Education
- Semantic Web and Ontologies for Learning and Educational Systems
- Open Content and Learning Technology Standards
- International Alliance for Open Source, Open Standards, and federated repositories
- Human-Centered Web Science and its Applications to Technology-enhanced Learning & Education
- Technology-enhanced Science Education
- Technology-Enhanced Language Learning
- Advanced Technology-enhanced Learning & Education for all
- E-learning in the Workplace
- Trust and reputation in Technology-enhanced Learning & Education
- Sustainability of Technology-enhanced Learning & Education
- Technology-enhanced Learning & Education in developing countries and disadvantaged areas

Please submit your manuscript using the ASK-Conference System at:

<http://www.ask4research.info/conference/upload.php>.

If you have any problems with the above web submission form, you can contact ICALT 2012 Technical Manager at: [icalt-operations@iti.gr](mailto:icalt-operations@iti.gr) (Subject: ICALT2012 Submission Enquiry) and the conference organizers will contact you for further assistance.

## SUBMISSIONS

We invite submission of papers reporting original academic or industrial research in the area of Advanced Learning Technologies. All papers will be peer-reviewed. Complete papers are required to be reviewed. The expected types of submissions include:

The anticipated types of submissions are:

- Full paper: 5 pages
- Short paper: 3 pages
- Posters: 2 pages
- Doctoral consortium paper: 2 pages (first author must be a PhD student)
- Tutorial proposals: 2 pages (The tutorial proposal should clearly outline the novelty of the content, the expected audience, objectives, and outcomes. Each tutorial will be 3 hours.)
- Panel proposals: 2 pages (The panel proposal should clearly outline the theme, its significance, the expected audience, and have 5 or more panelists. Each panel will be one and a half hour. Panelists will have the possibility of submitting two-page papers for review and inclusion in the proceedings.)
- Workshops: 2 pages (The workshop proposal should clearly define workshop objectives, the expected audience, anticipated outcomes, and the names and short CVs of workshop proposers. Workshop leaders will have the possibility of submitting two-page papers for review and inclusion in the proceedings)
- Industrial track paper: 3 pages (The proposals for the industrial track should describe and discuss technologies ready to be transferred to the industrial context or to be exploited, or successful case histories of industrial development and or application)
- European project track contribution: 2 pages (The contribution to the European project track should describe the impact that outcomes of past and on-going European projects had or are expected to have in the next future on the technology enhanced education, or present a critical analysis of past and on-going experiences)

"Authors are required to follow: IEEE Conference Publishing Services Formatting Guidelines. All submissions will be reviewed on the basis of relevance, originality, research significance, technical quality, organization and readability.

The ICALT 2012 proceedings are published by the IEEE Computer Society Publications.

In addition selected Papers will be considered for publication on:  
Educational Technology and Society Journal ISSN 1436-4522 [included in SSCI, Impact Factor: 1.067/2009 - Thomson Scientific 2009 Journal Citations Report]  
IEEE Transactions on Learning Technologies (TLT)  
IEEE [a joint publication of the IEEE Computer Society and the IEEE Education Society], ISSN 1939-1382, started January 2008  
Interaction Design & Architecture(s) Journal (IxD&A)  
ISSN 1826-9745"

## IMPORTANT DATES

December 30, 2011: Submissions All types (Papers, Workshops, Panels and Tutorials)

February 1, 2011: Authors' Notification on the review process results

March 15, 2011: Authors' Registration Deadline

April 1, 2011: Final Camera-Ready Manuscript and IEEE Copyright Form submission

April 15, 2011: Early Bird Registration

July 4-6, 2011: ICALT2012 Conference