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DULP & SPeL @ ICALT 2012: Exploring Emerging Technologies and the Future of Technology Enhanced Learning
3rd Workshop on Design Centered and Personalized Learning in Liquid and Ubiquitous Learning Places and 5th International Workshop on Social and Personalized Computing for Web Supported Learning Communities
http://www.mifav.uniroma2.it/inevent/events/dulpspel/index.php

in conjunction with ICALT 2012
The 12th International Conference on Advanced Learning Technologies
http://www.scuolaiad.it/ICALT2012/

Rome, Italy
4-6 July 2012

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Motivation
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Wikipedia, Google, Facebook and the like – all from the family of Web 2.0 – showed us clearly in the last two years, how the transition from the postindustrial era to the knowledge society takes place. The immaterial knowledge has become the primary good; industry looks for knowledge management, computer science looks for the cloud, which is rooted in the idea to access everything, everywhere at every time – and law desperately looks for any borders. As the terms "information" and "knowledge" are often used to sketch the same thing, for the following we will define: information can be transformed to knowledge by individuals – knowledge construction is perceived to be an intra-personal process; knowledge does not exist outside a person's mind.

In technology enhanced learning (TEL), a number of buzzwords arose in the last years: ambient, assisted, ubiquitous, pervasive, mobile… learning. All those branches of research have some aspects in common:
   • The borders of technology dissolve (technology becomes invisible, ubiquitous, pervasive),
   • Information is available every time and everywhere
   • Information becomes part of a net of distribution
   • Information is constantly changing and cannot be seen as " safe" or "secure" anymore: it is liquid, magma, "open" and "in progress".
   • Information is often depending on contexts
   • Information is not created by a single person but can be the result of a collaborative and social process

Being the central process of information acquisition, learning is influenced by the general change in the knowledge society. Educators observe that no longer the content is of primary interest, but to train abilities of information acquisition, filtering, exchange, production, reflection, usage etc. Inevitably one of the key functions of ubiquitous and ambient TEL is the support of continuous meta-cognition, meta-reflection and meta-design abilities of the individuals.

DUPL & SPeL @ ICALT2012 is looking for contributions that describe, explain or envision:
   • A future of TEL – this vision should be realistic and applicable in real contexts

- Interdisciplinary encounters centered around educational experiences and individuals as parts of the knowledge society and the developing network of information and persons

Topics can be:
- Centered around physical environments and artifacts: Technology Enhanced Places (TEP) in education, liquid places, context of places, models of places, adaptability of places, mixed environments, virtual environments, social environments
- Centered around technologies: new approaches in contextualization, glocalities, technological artifacts
- Centered around individuals: pedagogies, personal contexts, models of individuals, adaptability of individuals, the role of non-person representatives, identities
- Centered around learning experiences: multidimensional models, monitoring, experiential dimensions, styles, process design
- Centered around the consideration of different aspects such as context, technologies, and characteristic/needs of individuals in order to provide personalized learning experiences

Any suggestion for further themes of inspiration will be taken in careful consideration and if relevant added to the above list.

Background
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The proposed workshop is the result of merging the experience and background of two workshops centered on ubiquitous personalization and future visions in TEL: DULP and SPeL. Both workshops have as core topic the personalization of learning experiences as well as the future development of personalized learning environments. **DULP** stands for D -> Design Inspired Learning; U -> Ubiquitous Learning; L -> Liquid Learning Places; P -> Person in Place Centered Design, thus summarizing and bringing together a number of current trends and researchers. DULP started as a national effort in Rome, Italy, in 2009; after the first steps, an international community has been built, and a series of workshops started at ICALT 2010 and continued at ICALT 2011. The **SPeL** workshop has as general topic the social and personal computing for web-supported learning communities, leading towards the creation of a truly social and adaptive learning environment. The workshop has been held during the last 4 years in conjunction with the SAINT 2008, WI/IAT 2009, DEXA 2010 and ICWL 2011 conferences respectively.

Potential Outcomes
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This workshop will provide participants with an international audience to present and discuss ideas/concepts to enhance and improve TEL. Based on our experience on previous workshops, we expect that this workshop will lead to fruitful discussions among participants of the workshop as well as potential research collaborations of participants in future research.

Topics of Interest
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The workshop welcomes submissions covering aspects of **emerging technologies** and **future of technology enhanced learning** especially in the areas of personalized, social and ubiquitous learning, particularly related to issues about:

  * Social learning environments
  * Theory and modeling of social computing in education

* Web 2.0 tools for collaborative learning
* Lifelong learning networks
* Social- and group- learning theory
* Knowledge community formation and support
* Virtual spaces for learning communities
* Social networks analysis and mining
* Computer-supported collaborative learning
* Personalized and adaptive learning
* Adaptation methods and techniques for groups of learners
* Intelligent learner and group modeling
* Adaptive Web interfaces for learning scenarios
* Collaborative filtering and recommendations for learners
* Metadata, folksonomies and tagging
* Social information retrieval
* Mobile, ubiquitous and pervasive e-learning applications
* Context modeling
* Intelligent agent technology in web-based education
* Cognitive, motivational and affective aspects
* Practice and experience sharing
* Future visions and models for ubiquitous learning in liquid learning places
* New generation of virtual and physical learning place

Paper submission and publication
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All accepted workshop papers will be included in the IEEE Conference Proceedings of ICALT, published by IEEE Computer Society.

The length of the workshop papers should not exceed 2 pages and should be formatted according to the IEEE Conference Publishing Services Formatting Guidelines (http://www.mifav.uniroma2.it/inevent/events/icalt2012/index.php?s=113&a=125).

Please submit your submission at:
https://www.easychair.org/conferences/?conf=dulpspelicalt2012

All papers will go through a double-blind reviewing process and will be reviewed by three program committee members. Therefore, please make sure that your paper does not include your name/affiliation when you submit it for review.

Important dates
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February 15, 2012   Workshop paper submission
March 5, 2012   Workshop paper notification
March 15, 2012   Author registration
April 1, 2012   Camera-Ready paper submission

Workshop Chairs

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Alke Martens, PH Schwäbisch Gmünd University of Education, Germany
Sabine Graf, Athabasca University, Canada
Elvira Popescu, University of Craiova, Romania
Ming-Puu Chen, National Taiwan Normal University, Taiwan
Ben Chang, National Chiayi University, Taiwan
Tsung-Yen Chuang, National University of Tainan, Taiwan

Program Committee
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Please see: http://www.mifav.uniroma2.it/inevent/events/dulpspel/index.php?s=147&a=238
(PC members are currently being invited)

Contact
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Please refer to the workshop website
(http://www.mifav.uniroma2.it/inevent/events/dulpspel/index.php) for more information. If you have any questions or inquiries, please contact Dr. Elvira Popescu at popescu_elvira@software.ucv.ro.