

# The International Conference of the Learning Sciences

Palmer House Hilton Hotel, Chicago, IL, June 29 - July 2 2010 (Preconference June 28-29)



Call for Participation in the ICLS Workshop  
(June 28<sup>th</sup> 2010)



**Three Perspectives on  
Technology Support in Inquiry Learning:  
Personal Inquiry, Mobile Collaboratories  
and Emerging Learning Objects**

To register for this workshop, go to: <http://www.isls.org/icls2010/>. Workshop fee is payable to ICLS 2010. Full day workshop: June 28<sup>th</sup>, 9:00-17:30. Lunch and coffee breaks are included in the workshop registration fee.

**Workshop-Wiki:** <http://icls2010workshop.collide.info>

## **Coordinators:**

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## **Proposers:**

Ulrich Hoppe (University of Duisburg-Essen)

Marcelo Milrad (Linneus University)

Roy Pea (Stanford University)

Ton de Jong (Twente University)

Heidy Maldonado (Stanford University)

Mike Sharples (University of Nottingham)

**Workshop Summary:** Our hands-on workshop convenes educational designers and learning technology architects to author inquiry learning activities and user experiences. Participants will use a scenario editor to design classroom and field activities based on pedagogical approaches such as personal inquiry. Designs will be implemented using modeling tools, mobile devices and inquiry management tools provided by the organizers. Participants will gain insight into new pedagogical

and technological approaches for inquiry learning and discuss implications for their future work.

**Audience:** We invite researchers working in the fields of educational technology and science learning who are interested in designing and running activities in inquiry-based environments. Participants should ideally have experiences in designing or using software to support science classroom or outdoor learning activities. Sharing experiences before the workshop is considered crucial to safeguard successful fulfillment of the workshop aims and to tailor the workshop activities to the participants needs. Young researchers are especially encouraged to apply.

**Activities:** The workshop is divided into four sessions that include discussions and hands-on work with the different technologies. The first session contains a brief overview of three prominent approaches in computer-based inquiry learning: Personal Inquiry, Mobile Collaboratories and Emerging Learning Objects. Their relevance in three ongoing science projects will be presented. The second session is Designing Inquiry Activities that sets the content and structure for the next sessions. The third session consists of three concurrent work activities. In each of these activities the participants will work in groups running different learning scenarios based on the three projects. The experiences from the previous session's activities and created artifacts will inform the fourth session, the debriefing session. The aim of this fourth session is to discuss how inquiry based science learning supported with technology can be implemented more effectively in schools and what challenges this creates for the research, design, and ultimately practice.

**Participation:** *To participate in this workshop, please submit position statements (max. 1000 Words) to [icls2010workshop@collide.info](mailto:icls2010workshop@collide.info).* Participants are asked to anticipate activities related to inquiry learning that they would like to design and run during the workshop. The statements should include cases or problems with respect to specific areas of content (e.g. how to produce healthy milk, understanding eco systems), envision inquiry learning activities resulting in pedagogical scenarios (e.g. develop a concept map, run experiments etc.). Please review the Workshop-Wiki to see what kinds of inquiry tools are available. Submissions will be reviewed by the proposers of the workshop. People, who have not submitted a position paper may attend the workshop, provided there are seats left. **Maximum number of participants is 20.**

Deadline for submission of position statements **extended: April 1st**  
Feedback to participants: **April 8th**