

## CALL FOR PAPERS

### EARLI SIG 2 "Comprehension of Text and Graphics" (biennial meeting)

#### WHEN

August 26-28, 2010 (with pre-conference workshops on August 25, 2010; for details see below)

#### WHERE

Knowledge Media Research Center Tuebingen, Germany ([www.iwm-kmrc.de](http://www.iwm-kmrc.de))



#### THEME

SIG2 2 focuses on how learning is influenced by the form of representation that learners study. Historically, we focussed on text and picture comprehension but given the explosion of representations made available since the introduction of graphical interfaces, the SIG now considers all forms of representation including but not limited too, text, pictures, graphs, diagrams, concept maps, animations, equations, virtual reality, information and scientific visualization, haptics, multimedia, hypermedia, and simulations. This year's theme is: "Tracing the mind: How do we learn from text and graphics?"

Typical questions include the following, although papers are not limited to these topics:

- How do conceptual and perceptual factors interact in learning with different representations?
- How does learning differ with presented or constructed representations?
- What are the costs and benefits of learning with interactive or dynamic representations?
- What are the conditions under which learning is enhanced by combining textual and graphical representations?
- How important are learners' goals, strategies and self-regulatory behaviour when learning with representations?
- How are the learners' representations improved when they integrate information from multiple documents?
- What are the affective and motivational impacts of alternative forms of representation?

- How do tasks and context influence learning with representations?
- How can individual differences be taken into account when learning with different representations?
- Which abilities and skills are important to effectively learn from text and graphics and how can we train and teach those aspects?
- How are novel technologies changing the educational purposes of traditional forms of representation?
- How is the process of collaboration influenced by what learners look at?
- What sort of instructional interventions promote the construction of appropriate representations in educational settings?
- What can various tracing techniques like eye tracking, verbal protocols, self-explanations, drawings etc. tell us about the process of learning with text and graphics?
- How can we meaningfully classify information objects in multimodal representations for learning?

#### **SUBMISSION DETAILS**

The conference language is English. Submission is by email by no later than **March 30<sup>th</sup>, 2010**. You will be notified of the results of the reviewing process by May 17th. Final camera-ready papers are due on May 31st. Please check the conference website **[www.earlisig2-2010.de](http://www.earlisig2-2010.de)** for further information concerning the submission.

#### **JURE PRE-CONFERENCE WORKSHOPS**

We are pleased to announce that there will be two workshops on **August 25th, 2010** that are especially designed for doctoral students to enhance their ways of thinking about and researching learning with text and graphics, respectively. Participation in the workshops is free for registered conference members.

Shaaron Ainsworth, University of Nottingham, UK:  
*Approaches to analysing graphical representations*

Dr. Ladislao Salmerón, University of Valencia, Spain:  
*Natural language techniques for text comprehension analysis*

#### **FURTHER INFORMATION**

Watch this website as more information about the programme, keynote speakers, accommodation, and travel becomes available: **<http://www.earlisig2-2010.de>**.

Please also note that the meeting of **EARLI SIG 6** (Instructional Design) in cooperation with **EARLI SIG 7** (Learning and Instruction with Computers) on "Instructional Design for motivated and competent learning in a digital world" will take place close to Tuebingen at Ulm University (Germany) right after the end of the EARLI SIG2 meeting (EARLI SIG6&7: August 30th - September 1st, 2010). Hence, especially those participants arriving from further away may use the opportunity to visit two SIG meetings without much additional effort. Further information concerning the meeting in Ulm can be found here: **[www.uni-ulm.de/in/earlisig6-7-2010.html](http://www.uni-ulm.de/in/earlisig6-7-2010.html)**.