

## FINAL CALL FOR PAPERS

The 15th International Conference on Artificial Intelligence in Education (AIED 2011) is the next in a longstanding series of biennial international conferences for high quality research in intelligent systems and cognitive science for educational computing applications. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that make up this interdisciplinary research field, including: agent technologies, artificial intelligence, computer science, cognitive and learning sciences, education, educational technologies, game design, psychology, philosophy, sociology, anthropology, linguistics, and the many domain-specific areas for which AIED systems have been designed, deployed and evaluated.

To reflect these broad interests that combine advanced technology with advanced understanding of learners, learning, and the context of learning, the theme of AIED 2011 is "Next Generation Learning Environments: Supporting Cognitive, Metacognitive, Social and Affective Aspects of Learning".

We invite submissions to the AIED 2011 conference, which will be held 27 June - 1 July 2011, in Christchurch, New Zealand.

## TOPICS

**Modelling and Representation:** Models of learners, facilitators, tasks and problem-solving processes; Models of groups and communities for learning; Modelling learning contexts; Modelling motivation, metacognition, and affective aspects of learning; Ontological modelling; Dealing with learner dynamics; Handling uncertainty and multiple perspectives; Representing and analysing discourse during learning

**Models of Learning:** Intelligent tutoring and scaffolding; Intelligent games for learning; Motivational diagnosis and feedback; Interactive pedagogical agents and learning companions; Agents that promote metacognition, motivation and affect; Adaptive question-answering; Multi-agent architectures

**Intelligent Technologies:** Natural language processing; Data mining and machine learning; Knowledge representation and reasoning; Semantic web technologies and standards; Social networks

**Pedagogical Models:** Inquiry learning; Social dimensions of learning; Social-historical-cultural contexts; Informal learning environments; Communities of practice

**Learning Contexts and Domains:** Learning in open web environments; Collaborative and group learning; Simulation-based learning; Ubiquitous learning environments; Learning grid; Lifelong and workplace learning; Domain-specific learning applications (e.g. language, mathematics, science, medicine, military, industry)

**Evaluation:** Human-computer interaction; Evaluation methodologies; Experiences and lessons learned

## SUBMISSION CATEGORIES

- Full papers (8 pages) - All submissions should describe original and unpublished work.
- Posters (3 pages) - Authors are encouraged to submit reports on work-in-progress including, where possible, early results.
- Young researcher's track / Doctoral consortium (YRT/DC) (3 pages) - The YRT/DC is for work-in progress by graduate/postgraduate students and other young/new researchers.
- Interactive events (1-2 pages) - To showcase interactive demonstrations of AIED systems.
- Workshop proposals (2-4 pages) - Proposals for workshops on "hot" topics in AIED.
- Tutorial proposals (2-4 pages) - Proposals for tutorials on important AIED topics.

Refer to the conference website for format and full details for submissions.

## SUBMISSION DATES

- Interactive Events: 19 Jan 2011 (23:59 GMT)
- Workshop Proposals: 19 Jan 2011 (23:59 GMT)
- YRT papers: 21 Jan 2011 (23:59 GMT)
- Full papers, Posters: 21 Jan 2011 (23:59 GMT)
- Tutorial Proposals: 11 Feb 2011 (23:59 GMT)

## CONFERENCE ORGANISATION

**Conference Chair:** Judy Kay

**Programme Chairs:** Gautam Biswas & Susan Bull

**Poster Chairs:** Tak-Wai Chan & Rafael Morales

**Young Researcher's Track Chair:** Pramuditha Suraweera

**Interactive Events Chairs:** Chad Lane & Brent Martin

**Panel Chairs:** Monique Grandbastien & Jim Greer

**Tutorial Chairs:** Bert Bredeweg & Riichiro Mizoguchi

**Workshop Chairs:** Cristina Conati & Isabel Fernandez de Castro

**Publicity Chairs:** Peter Brusilovsky, Rose Luckin & Moffat Mathews

**Sponsorship Chairs:** Lewis Johnson & Chee-Kit Looi

**Local Arrangements Chair:** Antonija Mitrovic

## SENIOR PROGRAMME COMMITTEE

Vincent Aleven, Ivon Arroyo, Kevin Ashley, Roger Azevedo, Ryan Baker, Jacqueline Bourdeau, Bert Bredeweg, Peter Brusilovsky, Tak-Wai Chan, Cristina Conati, Albert Corbett, Sydney d'Mello, Vania Dimitrova, Ben du Boulay, Art Graesser, Jim Greer, Neil Heffernan, Tsukasa Hirashima, Ulrich Hoppe, Akihiro Kashiwara, Ken Koedinger, Susanne Lajoie, H. Chad Lane, James Lester, Diane Litman, Chee-Kit Looi, Rose Luckin, Erica Melis, Gordon McCalla, Riichiro Mizoguchi, Jack Mostow, Stellan Ohlsson, Helen Pain, Ana Paiva, Niels Pinkwart, Steven Ritter, Ido Roll, Carolyn Rose, Peter Sloep, John Stamper, Akira Takeuchi, Pierre Tchounikine, Wouter van Joolingen, Julita Vassileva, Felisa Verdejo, Gerhard Weber, Beverly Woolf, Kalina Yacef