AIED 2013 Workshops Proceedings
Volume 5

The 4th International Workshop on Culturally-Aware Tutoring Systems (CATS 2013)

Workshop Co-Chairs:

Emmanuel G. Blanchard
Department of Architecture, Design, and Media Technology
Aalborg University at Copenhagen, Denmark

Isabela Gasparini
Department of Computer Science
University of Santa Catarina State, Brazil

http://cats-ws.org/

Preface

The 4th international workshop on Culturally Aware Tutoring Systems (CATS2013) is a follow-up to the three previously successful CATS workshop editions, organized in conjunction with ITS2008, AIED2009, and ITS2010. It discusses the place of culture in AIED research. Considering culture in this field is important because it is known to have a strong impact on many cognitive and affective processes including those related to learning. Furthermore, people with different cultural backgrounds develop alternative interpretations and strategies and do not similarly appraise their environment, which naturally reflects in their interactions with AIED systems.

For the 2013 edition of the CATS workshop, it was decided to put a particular emphasis on addressing the following topics: i) designing AIED systems to teach cultural knowledge and intercultural skills, ii) enculturating AIED systems (i.e., developing AIED mechanisms that incorporate cultural features), and iii) considering cultural biases/imbalances in the AIED research production, and ways to deal with them.

The scientific quality of CATS2013 was ensured by an interdisciplinary program committee of 21 members representing 11 different countries and 4 continents. A total of five papers were accepted for presentation, and the workshop also includes an interactive panel discussion whose topic is: "*AIED in non-western environments: Challenges and Opportunities*".

We are most grateful to the many individuals who have made this half-day workshop possible. We thank the Program Committees of the International Conference on Artificial Intelligence in Education, especially workshop chairs Erin Walker and Chee Kit Looi for their help in the planning of this workshop. We wholeheartedly thank the members of the CATS 2013 Program Committee for having dedicated time to evaluate workshop submissions within a limited time frame.

Welcome to the 4th International Workshop on Culturally-Aware Tutoring Systems.

July, 2013
Emmanuel G. Blanchard and Isabela Gasparini.

Program Committee

Co-Chair: Emmanuel G. Blanchard, *Aalborg University at Copenhagen, Denmark*
(Emmanuel.g.blanchard@gmail.com)
Co-Chair: Isabela Gasparini, *University of Santa Catarina State, Brazil*
(Isabela.gasparini@udesc.br)

Ryan S.J.D. Baker, *Teachers College, Columbia University, USA*
Benedict du Boulay, *University of Sussex, UK*
Jacqueline Bourdeau, *TELUQ, Canada*
Stefano A. Cerri, *University of Montpellier, France*
Vania Dimitrova, *University of Leeds, UK*
Birgit Endrass, *Augsburg University, Germany*
Geneviève Gauthier, *University of Alberta, Canada*
Monique Grandbastien, *University of Nancy, France*
Seiji Isotani, *University of Sao Paulo, Brazil*
W. Lewis Johnson, *Alelo Inc., USA*
Stan Karanasios, *University of Leeds, UK*
Paul Libbrecht, *Martin Luther University of Halle, Germany*
Samuel Mascarenhas, *University of Lisbon, Portugal*
Riichiro Mizoguchi, *Advanced Institute of Science and Technology, Japan*
Amy Ogan, *Carnegie Mellon University, USA*
Elaine Raybourn, *Sandia Laboratories, USA*
Matthias Rehm, *Aalborg University, Denmark*
Katharina Reinecke, *Harvard University, USA*
Ma Mercedes T. Rodrigo, *Ateneo de Manila University, The Philippines*
Silvia Schiaffino, *Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina*
Dhavalkumar Thakker, *University of Leeds, UK*

Table of Contents