



AIED 2013: 16<sup>th</sup> International  
Conference on Artificial  
Intelligence in Education

Workshops Proceedings

Edited by:

Erin Walker

*Arizona State University, USA*

Chee-Kit Looi

*Nanyang Technological University, Singapore*

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# Preface

The supplementary proceedings of the workshops held in conjunction with AIED 2013, the sixteen International Conference on Artificial Intelligence in Education, July 9-13, 2013, Memphis, Tennessee, USA are organized as a set of volumes - a separate one for each workshop.

The set contains the proceedings of the following workshops:

- **Volume 1: Workshop on Massive Open Online Courses (moocshop)**  
Co-chairs: Zachary Pardos & Emily Schneider  
<http://www.moocshop.org>
- **Volume 2: Scaffolding in Open-Ended Learning Environments (OELEs)**  
Co-chairs: Gautam Biswas, Roger Azevedo, Valerie Shute, & Susan Bull  
<https://sites.google.com/site/scaffoldingoeles/home>
- **Volume 3: 2nd Workshop on Intelligent Support for Learning in Groups**  
Co-chairs: Jihie Kim & Rohit Kumar  
<https://sites.google.com/site/islg2013/>
- **Volume 4: AIED Workshop on Simulated Learners**  
Co-chairs: Gord McCalla & John Champaign  
<https://sites.google.com/site/aiedwsl>
- **Volume 5: 4th International Workshop on Culturally-Aware Tutoring Systems (CATS2013)**  
Co-chairs: Emmanuel G. Blanchard & Isabela Gasparini  
<http://cats-ws.org/>
- **Volume 6: CrossCultural Differences and Learning Technologies for the Developing World (LT4D) – Issues, Constraints, Solutions**  
Co-chairs: Ivon Arroyo, Imran Zualkernan, & Beverly P. Woolf  
<http://cadmium.cs.umass.edu/LT4D/Welcome.html>
- **Volume 7: Recommendations for Authoring, Instructional Strategies and Analysis for Intelligent Tutoring Systems (ITS): Toward the Development of a Generalized Intelligent Framework for Tutoring (GIFT)**  
Co-chairs: Robert A. Sottolare & Heather K. Holden  
<https://gifttutoring.org/news/14>
- **Volume 8: Formative Feedback in Interactive Learning Environments (FFILE)**  
Co-chairs: Ilya Goldin, Taylor Martin, Ryan Baker, Vincent Aleven, & Tiffany Barnes  
<http://sites.google.com/site/ffileworkshop/>

- **Volume 9: The First Workshop on AI-supported Education for Computer Science (AIEDCS)**  
Co-chairs: Barbara Di Eugenio, Sharon I-Han Hsiao, Kristy Elizabeth Boyer, Nguyen-Think Le, & Leigh Ann Sudol-DeLyser  
<https://sites.google.com/site/aiedcs2013/>
- **Volume 10: Workshop on Self-Regulated Learning in Educational Technologies (SRL@ET): Supporting, modeling, evaluating, and fostering metacognition with computer-based learning environments**  
Co-chairs: Amali Weerasinghe, Benedict Du Boulay, & Gautam Biswas  
<http://workshops.shareghi.com/AIED2013/>

While the main conference program presents an overview of the latest mature work in the field, the AIED2013 workshops are designed to provide an opportunity for in-depth discussion of current and emerging topics of interest to the AIED community. The workshops are intended to provide an informal interactive setting for participants to address current technical and research issues related to the area of Artificial Intelligence in Education and to present, discuss, and explore their new ideas and work in progress.

All workshop papers have been reviewed by committees of leading international researchers. We would like to thank each of the workshop organizers, including the program committees and additional reviewers for their efforts in the preparation and organization of the workshops.

May, 2013  
Erin Walker & Chee-Kit Looi