2016 International Symposium on Computers in Education (SIIE) 
Preface 

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The International Symposium on Computers in Education (SIIE) offers an international forum to present and discuss the last advances in the research about learning technologies and their practical application into educational processes. It also looks for creating a network for researchers, developers, policy makers and teachers to share perspectives, knowledge and experiences.

The eighteenth edition of this symposium was held last 13 to 16 September 2016 at the University of Salamanca, in the V Congreso Español de Informática (CEDI) [http://www.congresocedi.es/](http://www.congresocedi.es/).

This edition of SIIE had as central topic the learning analytics technologies [1-5]. The application of the institutional intelligence and the exploitation of the academic data present great opportunities to improve both teaching/learning processes and academic institutions governance. In order to take advantages of the potential of these technologies, the definition, development and evaluation of the technological artifacts for data capturing, processing and visualization are required for the right making processes.

In this edition [6] 93 submissions were received. After a rigorous peer review process, in which each contribution was reviewed by three referees of the Scientific Committee at least, 65 were accepted. This means a 30% rejection ratio. The accepted works offer a complete and updated perspective of the current state of the Computers in Education trends in each of the dimensions addressed in this year's symposium.

Besides the traditional research lines of the Computers in Education area, this edition accomplished two additional satellite events. First, the III Workshop on Open Educational Resources, which is based on the open educational resources as the main axis of the educational innovation. Secondly, a special session of the eMadrid Network. In the III Workshop on Open Educational Resources 10 papers were accepted and in the eMadrid session 6 papers were accepted.
One of the sessions of the symposium was jointly organized with the XVII International Conference “Interacción 2016” [7] regarding Interactive Educational Systems topic.

In addition to presentations of scientific works, Dr. Ángel Velázquez, President of ADIE Scientific Association, organized a panel with the title “What are the limits of Educational Technology?” in which one participated Dr. Begoña Ferrero Martín, Dr. Carina González González, Dr. Pedro J. Muñoz Merino, and Dr. Manuel Ortega Cantero.

The opening keynote conference [8], also organized with Interacción 2016 Conference, was done by Dr. Stephen Brewster, Human–Computer Interaction teacher at the School of Computing Science of the University of Glasgow. Dr. Brewster is a known expert in the field of Multimodal Human–Computer Interfaces and distinguished ACM speaker.

This volume represents the post-proceedings of the 2016 International Symposium on Computers in Education published in the IEEE Xplore Library, in which only the presented papers of the conference are included, as we did in the last editions of SIIE [9-11].

This symposium would not have been possible without the work and efforts made by the various participants in 2016 SIIE: the authors of the contributions, the members of the Scientific Committee, the CEDI Organization Committee, and the local Organization Committee of the GRIAL research group at the University of Salamanca. To all of them we would like to express our sincere thanks. Also we want to thank the different entities that in different ways have supported and collaborated with this edition of SIIE: ADIE (Asociación para la Informática Educativa) that is the official supporter of the Spanish editions of SIIE, the University of Salamanca that held the event within the CEDI context, SCIE (Sociedad Científica Informática de España), IEEE Education Society and its Spanish chapter, and ATI (Asociación de Técnicos en Informática).

Referencias


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Chairs of SIIE 2016 Scientific Committee