

Preface

The rapid development and popularization of information technology significantly increase the speed of the generation of human knowledge, which has brought fundamental impacts on the modes of education and the methods of instruction. The traditional ways of learning are facing a revolution to adapt to the requirements of the information age. In order to facilitate easy, engaging and effective learning for the learners, current digital learning environment is gradually evolving into the smart learning environment.

The International Conference on Smart Learning Environments (ICSLE) is a conference organized by the International Association on Smart Learning Environments. It aims to provide an archival forum for researchers, academics, practitioners, and industry professionals interested and/or engaged in the reform of the ways of teaching and learning through advancing current learning environments toward smart learning environments. It will facilitate opportunities for discussions and constructive dialogue among various stakeholders on the limitations of existing learning environments, need for reform, innovative uses of emerging pedagogical approaches and technologies, and sharing and promotion of best practices, leading to the evolution, design, and implementation of smart learning environments.

The focus of the contributions in this book is on the interplay of pedagogy, technology, and their fusion toward the advancement of smart learning environments. Various components of this interplay include but are not limited to:

- Pedagogy: learning paradigms, assessment paradigms, social factors, and policy
- Technology: emerging technologies, innovative uses of mature technologies, adoption, usability, standards, and emerging/new technological paradigms (open educational resources, cloud computing, etc.)
- Fusion of pedagogy and technology: transformation of curriculum, transformation of teaching behavior, transformation of administration, best practices of infusion, and piloting of new ideas.

ICSLE 2015 received 56 papers, with authors from 28 countries and six continents. All submissions were peer-reviewed in a double-blind review process by at least three Program Committee members. We are pleased to note that the quality of the submissions this year turned out to be very high. A total of 13 papers were accepted as full papers (yielding a 23 % acceptance rate). In addition, 14 papers were selected for presentation as short papers and another 12 as posters.

Furthermore, ICSLE 2015 features two distinguished keynote presentations and one invited presentation. Three workshops are also organized in conjunction with the main conference, with a total of 18 accepted papers.

We acknowledge the invaluable assistance of the Program Committee members, who provided timely and helpful reviews. We would also like to thank the entire Organizing Committee for their efforts and time spent to ensure the success of the conference. And last but not least, we would like to thank all the authors for their contribution in maintaining a high-quality conference.

With all the effort that has gone into the process, by authors and reviewers, we are confident that this year's ICSLE proceedings will immediately earn a place as an indispensable overview of the state of the art and will have significant archival value in the longer term.

July 2015

Yanyan Li
Maiga Chang
Milos Kravcik
Elvira Popescu
Ronghuai Huang
Kinshuk
Nian-Shing Chen

State-of-the-Art and Future Directions of Smart
Learning

Li, Y.; Chang, M.; Kravcik, M.; Popescu, E.; Huang, R.;
Kinshuk; Chen, N.-S. (Eds.)

2016, XVIII, 503 p., Hardcover

ISBN: 978-981-287-866-3