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# Computers Supported Education

9th International Conference, CSEDU 2017  
Porto, Portugal, April 21–23, 2017  
Revised Selected Papers

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## Preface

The present book includes extended and revised versions of a set of selected papers from the 9th International Conference on Computer Supported Education (CSEDU 2017), held in Porto, Portugal, during April 21–23, 2017.

CSEDU 2017 received 179 paper submissions from 50 countries, of which 12% are included in this book. The papers were selected by the event chairs and their selection is based on a number of criteria that include the classifications and comments provided by the Program Committee members, the session chairs' assessment, and also the program chairs' global view of all papers included in the technical program. The authors of selected papers were then invited to submit a revised and extended version of their papers having at least 30% innovative material.

CSEDU aims at becoming a yearly meeting place for presenting and discussing new educational environments, best practices, and case studies on innovative technology-based learning strategies and institutional policies on computer-supported education including open and distance education, using computers. In particular, the Web is currently a preferred medium for distance learning and the learning practice in this context is usually referred to as e-learning. CSEDU 2017 gave an overview of the state of the art as well as upcoming trends, and promoted discussion about the pedagogical potential of new learning and educational technologies in the academic and corporate world.

The papers selected for this book contribute to the understanding of current research on computer-supported education, including the integration of digital resources in teaching and learning, design and development of technologies for instruction, management of educational data, use of educational data for decision-making, game- and simulation-based learning, and use of online environments to support community-building. These contributions reflect the wide range of topics presented at the conference where authors had the opportunity to discuss their ideas with peers and explore related issues.

We would like to thank all the authors for their contributions and also the reviewers who helped ensure the quality of this publication.

April 2017

Paula Escudeiro  
Gennaro Costagliola  
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