ICIME 2018 Preface

The International Joint Conference on Information, Media and Engineering (ICIME2018) is jointly hosted and organized by International Joint Lab of Knowledge and Media Dynamics in Educational Fields of Osaka University and Northeast Normal University, on December 12-14, 2018, in Osaka, Japan. The conference is Co-sponsored by IEEE Computer Society Kansai Chapter, JSET (Japan Society for Educational Technology), CAET (China Association For Educational Technology), JESO (Japan Educational Support Organization), and IMERI (Information, Media, and Engineering Research Institute).

In the digital age, the development of digital media technologies not only influence people’s online information behavior but also change people’s daily offline behavior, which has been shaping our life. With this background, scholars, researchers, and practitioners from seven different countries and regions contributed a total of 146 submissions. After a careful two-tiered referred review, about sixty-nine papers and short papers of experimental research, practice, and theoretical exploration are selected for inclusion in this volume. This conference proceedings has formed an effective roadmap for the current hot spots, key points, and trends of academic research, among which the application of technology innovation, student participation in learning, mobile communication technology, and teaching evaluation methods have gained extensive attention. From the improvement of teacher education to the analysis of learning behavior, the integration of technology in teaching is expanding the breadth and depth of research through the introduction of big data analysis and technical support tools. The application of communication technology and the new-generation mobile network represented by mobile media not only have reconstructed the access channels of information and rebuilt multiple attributes of media, but also provided creative exploration for the optimization of students' learning ability in the era of mobile network. New technologies, such as artificial intelligent, virtual reality, augmented reality, and pulse waves, are integrated into teaching design and learning resource development.

These papers have reflected the authentic work and scholarly strength, and can only be selected for publicity under the careful and meticulous work of the organizing committee. We received tremendous support from IEEE Computer Society Kansai Chapter, JSET, CAET, JESO, and IMER. The most commendable participation of all the paper contributors, reviewers, presenters, speakers, and keynote have provided a great intellectual and emotional support for the publication of this conference proceedings. We wish ICIME continue to be a connecting international forum for scholars, practitioners, researchers, and learners to exchange scholarly and creative ideas and discoveries.

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