The International Conference on Advanced Learning Technologies (ICALT) is an annual conference organized by IEEE Computer Society and IEEE Technical Committee on Learning Technology. It aims to bring together people who are working on the design, development, use and evaluation of technologies that will be the foundation of the next generation of e-learning systems and technology-enhanced learning environments. After its kick-off as IWALT in Palmerston North, New Zealand (2000), ICALT has been held in Madison, USA (2001), Kazan, Russia (2002), Athens, Greece (2003), Joensuu, Finland (2004), Kaohsiung, Taiwan (2005), Kerkade, The Netherlands (2006), Niigata, Japan (2007), Santander, Spain (2008), Riga, Latvia (2009), Sousse, Tunisia (2010), Athens, Georgia, USA (2011), Rome, Italy (2012), Beijing, China (2013), Athens, Greece (2014), Hualien, Taiwan (2015), Austin, USA (2016), Timisoara, Romania (2017). The 18th IEEE International Conference on Advanced Learning Technologies (ICALT 2018) is held in Mumbai, India, hosted by Indian Institute of Technology Bombay.

This year, the ICALT conference was structured around 15 tracks on various thematic topics, including: Technologies for Open Learning and Education; Adaptive and Personalised Technology-Enhanced Learning; Wireless, Mobile, Pervasive and Ubiquitous Technologies for Learning; Digital Game and Intelligent Toy Enhanced Learning; Computer Supported Collaborative Learning; Big Data in Education and Learning Analytics; Technology-Enhanced Science, Technology, Engineering and Math Education; Technology Enhanced Language Learning; Technology Enabled Learning of Thinking Skills; Technology Supported Education for People with Disabilities; Artificial Intelligence and Smart Learning Environments; Augmented Reality and Virtual Worlds in Education and Training; Motivational and Affective Aspects in Technology-enhanced Learning; Applications of Semantic Web technologies for Learning and a Doctoral Consortium.

This year ICALT 2018 received 231 papers from 37 countries. All submissions were peer-reviewed through a double-blind review process by an international panel of at least three international expert referees and decisions were taken based on assessing research quality. We are very pleased to report that the quality of the submissions this year turned out to be very high. A total of 52 papers were accepted as full papers which is around 27.80% acceptance rate. Furthermore, 75 papers were accepted for presentation as short papers, 28 as posters and 4 papers were selected for the Doctoral Consortium.

We acknowledge the invaluable assistance of the track chairs, the track program committee members and the additional reviewers, who are named on another page. Most reviewers opted to provide detailed and constructive comments which are valuable for the authors to continue improving their papers, even if their submissions were not selected for the conference.

With all the effort that has gone into the process, by authors, reviewers and track chairs, we are confident that the ICALT2018 proceedings this year will immediately earn a place as an indispensable overview of the state of the art and will have significant benefits to the research community in the longer term.

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