

Preface

The 17th Pacific-Rim Conference on Multimedia (PCM 2016) was held in Xi'an, China, during September 15–16, 2016, and hosted by the Xi'an Jiaotong University (XJTU). PCM is a leading international conference for researchers and industry practitioners to share their new ideas, original research results, and practical development experiences from all multimedia-related areas.

It was a great honor for XJTU to host PCM 2016, one of the most longstanding multimedia conferences, in Xi'an, China. Xi'an Jiaotong University, located in the capital of Shaanxi province, is one of the key universities run by the Ministry of Education, China. Recently its multimedia-related research has been attracting increasing attention from the local and international multimedia community. For over 2000 years, Xi'an has been the center for political and economic developments and the capital city of many Chinese dynasties, with the richest cultural and historical heritage, including the world-famous Terracotta Warriors, Big Wild Goose Pagoda, etc. We hope that our venue made PCM 2016 a memorable experience for all participants.

PCM 2016 featured a comprehensive program. The 202 submissions from authors of more than ten countries included a large number of high-quality papers in multimedia content analysis, multimedia signal processing and communications, and multimedia applications and services. We thank our 28 Technical Program Committee members who spent many hours reviewing papers and providing valuable feedback to the authors. From the total of 202 submissions to the main conference and based on at least three reviews per submission, the program chairs decided to accept 111 regular papers (54 %) among which 67 were posters (33 %). This volume of the conference proceedings contains the abstracts of two invited talks and all the regular, poster, and special session papers.

The technical program is an important aspect but only achieves its full impact if complemented by challenging keynotes. We are extremely pleased and grateful to have had two exceptional keynote speakers, Wen Gao and Alex Hauptmann, accept our invitation and present interesting ideas and insights at PCM 2016.

We are also heavily indebted to many individuals for their significant contributions. We thank the PCM Steering Committee for their invaluable input and guidance on crucial decisions. We wish to acknowledge and express our deepest appreciation to the honorary chairs, Nanning Zheng, Shin'chi Satoh, general chairs, Yihong Gong, Thomas Plagemann, Ke Lu, Jianping Fan, program chairs, Meng Wang, Qi Tian, Abdulmotaleb El Saddik, Yun Tie, organizing chairs, Jinye Peng, Xinbo Gao, Ziyu Guan, Yizhou Wang, publicity chairs, Xueming Qian, Xiaojiang Chen, Cheng Jin, Xiangyang Xue, publication chairs, Jun Wu, Enqing Chen, local Arrangements Chairs, Kuizi Mei, Xuguang Lan, special session chairs, Jianbing Shen, Jialie Shen, Jianru Xue, demo chairs, Yugang Jiang, Jitao Sang, finance and registration chair, Shuchan Gao. Without their efforts and enthusiasm, PCM 2016 would not have become a reality. Moreover, we want to thank our sponsors: Springer, Peking University, Zhengzhou University,

Ryerson University. Finally, we wish to thank all committee members, reviewers, session chairs, student volunteers, and supporters. Their contributions are much appreciated.

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