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# MultiMedia Modeling

22nd International Conference, MMM 2016  
Miami, FL, USA, January 4–6, 2016  
Proceedings, Part II

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## Preface

The 22nd International Conference on Multimedia Modeling (MMM 2016) was held in Miami, USA, January 4–6, 2016, and was hosted by the University of Central Florida at Orlando, USA. MMM 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. University of Central Florida is a Space-Grant university and has made noted research contributions to digital media, engineering, and computer science.

MMM 2016 featured a comprehensive program including three keynote talks, eight oral presentation sessions, two poster sessions, one demo session, five special sessions, and the Video Browser Showdown (VBS). The 168 submissions from authors of 20 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 130 Technical Program Committee members who spent many hours reviewing papers and providing valuable feedback to the authors. From the total of 117 submissions to the main conference and based on at least three reviews per submission, the program chairs decided to accept 32 regular papers (27.8 %) and 30 poster papers (25.6 %). In total, 38 papers were received for 5 special sessions, with 20 being selected, and 11 submissions were received for a demo session, with 7 being selected. Video browsing systems of nine teams were selected for participation in the VBS. The authors of accepted papers come from 17 countries. This volume of the conference proceedings contains the abstracts of three invited talks and all the regular, poster, special session, and demo papers, as well as special demo papers of the VBS. MMM 2016 included the following awards: the Best Paper Award, the Best Student Paper Award, and the winner of the VBS competition.

The technical program is an important aspect but only provides its full impact if complemented by challenging keynotes. We were extremely pleased and grateful to have three exceptional keynote speakers, Wen Gao (ACM/IEEE Fellow), Chang Wen Chen (IEEE Fellow), and Changsheng Xu (IEEE Fellow), accept our invitation and present interesting ideas and insights at MMM 2016.

We are heavily indebted to many individuals for their significant contributions. We thank the MMM Steering Committee for their invaluable input and guidance on crucial decisions. We wish to acknowledge and express our deepest appreciation to the organizing chairs, Xueliang Liu and Luming Zhang, the special session chairs, Wen-Huang Chen, Haojie Li and Rongrong Ji, the panel chair, Tat-Seng Chua, the demo chairs, Cathal Gurrin and Björn Þór Jónsson, the VBS chairs, Klaus Schöffmann and Werner Bailer, the publicity chairs, Yu-Gang Jiang, Shuicheng Yan, Hengtao Shen, Zhengjun Zha, and Sheng Wu, the publication chairs, Na Zhao and Zechao Li, and last but not least the Webmaster, Jun He. Without their efforts and enthusiasm, MMM 2016 would not have become a reality. Moreover, we want to thank our sponsor

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

January 2016

Guo-Jun Qi  
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