Message from the Technical Program Committee Chairs

On behalf of the ICME 2020 Technical Program Committee (TPC), we warmly welcome you to the first online event of ICME! This year is special for ICME since the conference has been re-envisioned as a fully virtual event due to the worldwide impact caused by COVID-19. However, challenges and opportunities always come together. Although we were looking forward to seeing you all in London, we believe that this virtual event will provide even more opportunities for multimedia researchers in academia and industry from all over the world to participate. This has been achieved by the continued support from four IEEE societies: IEEE Signal Processing Society, IEEE Communications Society, IEEE Circuits and Systems Society, and IEEE Computer Society.

ICME 2020 will be held online 6-10 July, 2020. The technical program of the main track will include four keynote speeches by distinguished scientists, numerous regular sessions running in parallel, as well as six special sessions. This year the conference main track received a high number of 834 submissions. The TPC of ICME 2020 consisted of 136 Area Chairs and 1035 reviewers from a worldwide variety of academic, industrial, government, and research organizations. All submitted papers have gone through a rigorous double-blind review process. Almost all papers have received three independent reviews, with 47% receiving four or more reviews. As a result, 241 papers have been accepted, with an overall acceptance rate of 28.9%. Accepted papers with top review scores were selected for oral presentation. In particular, the oral paper sessions consist of 103 regular papers and 19 special session papers, corresponding to a 12.3% (14.6% if including special session papers) acceptance rate. In addition, a small number of papers have been shortlisted for best paper awards, with the final selection to be made during the conference by the Awards Committee (considering both the reviews and the presentation quality). Authors of a selected set of high quality ICME 2020 papers will also be invited to submit an extended version of their papers for possible publication in IEEE Transactions on Multimedia, as well as IEEE MultiMedia.

In addition to the main track, ICME 2020 will feature tutorials, workshops, and four special tracks (industry/application, grand challenges, collaborative research projects, demos). The workshops will explore emerging research topics and bridge multimedia research advances with other research areas. This year, we have the pleasure to bring to you 12 workshops: Artificial Intelligence in Sports; AVS3 Video Coding Standard; Big Surveillance Data Analysis and Processing; Hyper-Realistic Multimedia for Enhanced Quality of Experience; Interactive Multimedia Retrieval; Data-driven Just Noticeable Difference for Multimedia Communication; Mobile Multimedia Computing; Multimedia Services and Technologies for Smart-Health; 3D Point Cloud Processing, Analysis, Compression, and Communication; ICT and Multimedia Tools for Migrants Inclusion in Host societies; Tools for Creating XR Media Experiences; and Media-Rich Fake News. The workshops attracted 141 paper submissions, 83 of which were accepted for publication. All papers went through a rigorous review process, with 95.04% of them receiving at least three reviews.

For a flagship multimedia conference like ICME, a high-quality technical program would not be possible without countless hours of hard work from many researchers in the community. We would like to thank all Area TPC chairs, TPC members, and external reviewers for their outstanding dedication and hard work. We will recognize those colleagues who made the most valuable contributions with special awards of Outstanding Area Chairs and Outstanding Reviewers.

We would like to thank the conference general chairs, Marta Mrak, Ebroul Izquierdo, and Vladan Velisavljevic as well as the ICME Steering Committee for their patience and guidance. Many thanks also to all the members of the Organizing Committee for their full support in preparation of the conference.

Finally, we would like to thank all the authors for their continuing support by submitting their original contributions to this conference. We look forward to meeting you in the virtual event, and hope that you will enjoy the special experience of the online technical program.

ICME 2020 Technical Program Committee Co-Chairs

- Shuai Wan, Northwestern Polytechnical University

- Ce Zhu, University of Electronic Science & Technology of China

- Jian Zhang, University of Technology Sydney

- Jianquan Liu, NEC Corporation

- Shiwen Mao, Auburn University

- Wen-Huang Cheng, National Chiao Tung University

- Jiwen Lu, Tsinghua University