MMEDIA 2023

Forward

The Fifteenth International Conference on Advances in Multimedia (MMEDIA 2023), held between April 24th and April 28th, 2023, provided an international forum by researchers, students, and professionals for presenting recent research results on advances in multimedia, mobile and ubiquitous multimedia and to bring together experts from both academia and industry for the exchange of ideas and discussion on future challenges in multimedia fundamentals, mobile and ubiquitous multimedia, multimedia ontology, multimedia user-centered perception, multimedia services and applications, and mobile multimedia.

The rapid growth of information on the Web, its ubiquity and pervasiveness make the www the biggest repository. While the volume of information may be useful, it creates new challenges for information retrieval, identification, understanding, selection, etc. Investigating new forms of platforms, tools, principles offered by Semantic Web opens another door to enable humans' programs, or agents to understand what records are about, and allows integration between domain-dependent and media-dependent knowledge. Multimedia information has always been part of the Semantic Web paradigm but requires substantial effort to integrate both.

The new technological achievements in terms of speed and the quality of expanding and creating a vast variety of multimedia services like voice, email, short messages, Internet access, m-commerce, to mobile video conferencing, streaming video, and audio.

Large and specialized databases together with these technological achievements have brought true mobile multimedia experiences to mobile customers. Multimedia implies adoption of new technologies and challenges to operators and infrastructure builders in terms of ensuring fast and reliable services for improving the quality of web information retrieval.

Huge amounts of multimedia data are increasingly available. The knowledge of spatial and/or temporal phenomena becomes critical for many applications, which requires techniques for the processing, analysis, search, mining, and management of multimedia data.

We take here the opportunity to warmly thank all the members of the MMEDIA 2023 technical program committee, as well as all the reviewers. The creation of such a high-quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to MMEDIA 2023. We truly believe that, thanks to all these efforts, the final conference program consisted of top-quality contributions. We also thank the members of the MMEDIA 2023 organizing committee for their help in handling the logistics of this event.

We hope that MMEDIA 2023 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field of multimedia.

MMEDIA 2023 Chairs

MMEDIA 2023 Steering Committee

Hiroshi Ishikawa, Tokyo Metropolitan University, Japan
José António Filipe, University Institute of Lisbon - School of Technology and Architecture, Portugal
Hanzhou Wu, Shanghai University, China

Max E. Vizcarra Melgar, University of Brasilia, Brazil

MMEDIA 2023 Publicity Chairs

Laura Garcia, Universitat Politecnica de Valencia, Spain
Javier Rocher Morant, Universitat Politecnica de Valencia, Spain