

Proceedings of the

**15th IEEE/ACM Symposium on
Embedded Systems for Real-Time Multimedia**

ESTIMedia 2017

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Embedded Systems for Real-Time Multimedia**

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Editors

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Preface

Dear Colleague,

Welcome to Seoul and the ESTIMedia workshop. This year we are presenting a workshop program that features many interesting talks on all aspects related to the design of modern real-time embedded multimedia systems. We hope that you will find our program interesting, stimulating and exciting.

Multimedia and camera-based technologies play an important role in our daily life, and have become among the most relevant technological innovations. These technologies have proliferated into a wide range of application domains like Internet-of-Things (IoT), Cyber-Physical Systems (CPS), Healthcare and Medical Image Processing, Security, Consumer, etc. The evermore increasing computational and communication requirements demanded by current and next generation multimedia and image/video processing devices together with energy constraints which characterize portable devices require innovative design methodologies and tools. The IEEE/ACM ESTIMedia aims to bring together people from different multimedia and imaging-related research communities who have worked separately but did not interact sufficiently to address the challenges facing the design of hardware and software layers of such highly specialized multimedia and image/video processing systems.

The 15th edition of ESTIMedia is continuing to be run in the Embedded System Week and will provide a forum for researchers, from academia and industry, to present and discuss innovative ideas and solutions related to embedded systems for real-time multimedia and image/video processing. This year, a special focus will be on reliability and dependability of multimedia systems.

ESTIMedia received a total of 14 research papers coming from many different countries in Europe, North-America, and Asia. Each paper has been reviewed by at least three independent reviewers to ensure the quality of the workshop. Each reviewer provided a score together with detailed comments and suggestions on how to improve the overall quality of each paper. After an on-line meeting, the program committee has decided to accept 6 papers out of these 14 submissions. This gives an acceptance rate of 43% which is similar to earlier editions of the ESTIMedia workshop. It also reflects our commitment to only select high quality papers for presentation at our workshop.

In conclusion, we would like to thank the members of the program committee and the external reviewers for their contribution to the quality of this workshop. We would also like to thank all authors for choosing ESTIMedia as the workshop where to report your research and your contributions to the scientific community. We wish all of you a fruitful conference and a pleasant stay in Seoul.

Sander Stuijk and Akash Kumar
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