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Preface

The Multimedia Communications, Services and Security (MCSS) conferences in recent years have become one of the notable scientific forums for exchanging ideas and monitoring the development of multimedia technology in applications related to the broadly defined public safety problems. From among many interesting topics of papers that were submitted for this year's 6th MCSS conference, some deserve special attention because of the importance of the matters raised in the research and applications topics.

The rapid growth of modern methods of video surveillance, also those that protect the privacy of individuals in public places, is reflected in increasing number of on-going projects in this area, bringing new opportunities in the field of improving the balance between the security and privacy rights of citizens. In the last few years many publications regarding automatic video content analysis have been presented. However, the systems researched are usually focused on a single type of object, e.g., human or vehicle activity. No equally efficient approach to the problem of video analytics in the fully dynamic environments had been proposed before new sophisticated hardware and software solutions were introduced to this domain, as is reflected by achievements presented in some papers included in this year's conference edition. This remark applies also to the processing of audio signals carried out in order to identify dangerous situations, including an analysis of the emotional state of the speaker.

Owing to the developments in signal processing, a rapid prototyping of real-time hardware/software solutions has entered the domain of video processing algorithms development. We also witness considerable progress in objectivized, user experience-related assessments of video quality and in new watermarking algorithms applications. Automatic reasoning mechanisms were developed, being more efficient than before which provide the semi-automatic identification of security threats and dangers based on ontology related to traffic. The rapid growth of methods and algorithms applied to the prevention of cyberspace terrorism and new ways of data protection is also reflected in the presented paper subjects. The above examples are only a fragmentary view of the rich program of the 6th MCSS conference paper presentations, which, as in previous years, were accompanied by an interesting exhibition of technological achievements and thematic workshop sessions.

June 2013

Andrzej Dziech
Andrzej Czyżewski

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The International Conference on Multimedia Communications, Services and Security (MCSS 2013) was organized by AGH University of Science and Technology.

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