Journal of Multimedia Processing and Technologies Volume 1 Number 4 December 2010

Contents	
Editorial Message	i
Research	
Noise Robust Mojette Reconstructions for Missing Wedge Effect Attenuation- B. Recur, P. Desbarats, J.P. Domenger	209
Automated Colorization of Segmented Images Based on Color Harmony- Catherine Sauvaget, Jean-Noel Vittaut, Jordane Suarez, Vincent Boyer, Stephane Manuel	228
An Extended Evaluation of Methods for Portrait Cropping- Claudio S. V. C. Cavalcanti, Herman Martins Gomes, José Eustáquio Rangel de Queiroz	245
Multiple Birth and Cut Algorithm for Multiple Object Detection- Ahmed Gamal-Eldin, Xavier Descombes, Guillaume Charpiat, Josiane Zerubia	260
A Study on Patch-Based Progressive Coding Schemes of Semi-Regular 3D Meshes for Local Wavelet Compression and View-Dependent Transmission- Céline Roudet	277
Conference Notification	297

Editorial Message

Signal and Image Technology (SIT) is currently one of the most active research fields in computer science. Combined with technologies related to Internet its application areas may span a variety of domains ranging from multimedia (image, video, security, ...) to medicine (tomographic reconstruction, telemedicine, medical imaging, patient monitoring, ...) but also from video games to 3D movies.

The SIT track is one of two main tracks of the SITIS conferences. In the SITIS'10 edition, the SIT track received over 70 submissions from more than 25 countries worldwide. 30 papers were selected for oral presentation during the conference, which gives an acceptance rate of 43%. We would like to thank the international program committee for helping in the reviewing process. As many as 300 reviews were collected by a collective effort of 120 international members of the International Program Committee. Their valuable participation has ensured and maintained the high quality of papers selected for presentation and publication in the proceedings.

This special issue of the JMTP journal includes a selection of papers covering the various sessions held in the SITIS'10 conference program. All these papers were reviewed by at least three reviewers and were rated very positively by all reviewers. They have been substantially revised and extended based on the original conference versions, to meet the requirements of publication in a recognized journal. We still welcome the availability of reviewers who were willing to once again note the papers selected.

We congratulate the authors for the quality of their work. One of the papers addresses an application of the Mojette transform in a tomographic reconstruction method based on a discrete and finite interpretation of the Radon theorem. Then, an automated colorization of segmented images based on a color harmony rule defined by Itten called the contrast of proportion is introduced in a second paper. A third paper proposes an automatic method to evaluate and to guide automatic portrait cropping for different aspect ratios. In the fourth paper, authors describe a new optimization method called Multiple Birth and Cut (MBC) which combines the Multiple Birth and Death (MBD) algorithm and the Graph-Cut algorithm. And finally, the last paper presents a wavelet-based segmentation method for three-dimensional (3D) Semi-Regular (SR) meshes.

We would like to thank the JMTP journal editor for giving us the opportunity to highlight the work of authors by publishing their papers in a renowned journal.

Albert DIPANDA, University of Burgundy, France Zoltan KATO, University of Szeged, Hungary