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EDITORIAL

Preface

Nadia Magnenat-Thalmann[1]

In this issue, we have fourteen regular papers:

The first paper is titled "Automatic semantic style transfer using deep convolutional neural networks and soft masks" by Huihuang Zhao, Yukun Lai and Rosin Paul from Cardiff University, UK, and Yaonan Wang from Hunan University, China.

The second paper is "Learning semantic dependencies with channel correlation for multi-label classification" by Lixia Xue, Di Jiang, Ronggui Wang, Juan Yang and Min Hu from Hefei University of Technology, China.

The third paper is "Literature Explorer: effective retrieval of scientific documents through nonparametric thematic topic detection" by Shaopeng Wu, Youbing Zhao, Nikolaos Ersotelos, Hui Wei and Feng Dong from University of Bedfordshire, UK, and Farzad Parvinzamir from Queen's University Belfast, UK.

The fourth paper is "Image saliency detection via multi-scale iterative CNN" by Kun Huang and Shenghua Gao from ShanghaiTech University, China.

The fifth paper is "Automatic darkest filament detection (ADFD): a new algorithm for crack extraction on two-dimensional pavement images" by Wissam Kaddah, Marwa Elbouz and Ayman Alfalou from ISEN Brest, France, and Yousri Ouerhani and Marc Desthieux from ACTRIS Brest, France.

The sixth paper is "Deep generative smoke simulator: connecting simulated and real data" by Jinghuan Wen and Huimin Ma from Tsinghua University, China, and Xiong Luo from University of Science and Technology Beijing, China.

The seventh paper is "3D human pose estimation by depth map" by Jianzhai Wu, Dewen Hu, Fengtao Xiang, Xingsheng Yuan and Jiongming Su from National Unversity of Defense Technology, China.

The eighth paper is "Depth image upsampling based on guided filter with low gradient minimization" by Hang Yang from Changchun Institute of Optics Fine Mechanics and Physics Chinese Academy of Sciences, China, and Zhongbo Zhang from Jilin University, China.

The ninth paper is "Saliency bagging: a novel framework for robust salient object detection" by Vivek Kumar Singh and Nitin Kumar from National Institute of Technology, Uttarakhand, India.

The tenth paper is "Human position and head direction tracking in fisheye camera using randomized ferns and fisheye histograms of oriented gradients" by Veerachart Srisamosorn, Atsushi Yamashita, Shouhei Shirafuji and Jun Ota from The University of Tokyo, Japan, Noriaki Kuwahara from Kyoto Institute of Technology, Japan, and Taiki Ogata from Tokyo Institute of Technology, Japan.

The eleventh paper is "Action matching network: open-set action recognition using spatio-temporal representation matching" by Jongmin Yu from Curtin University, Australia, Du Yong Kim from RMIT University, Australia, Yongsang Yoon and Moongu Jeon from Gwangju Institute of Science and Technology, Korea.

The twelfth paper is "Support vector regression-based 3D-wavelet texture learning for hyperspectral image compression" by Nadia Zikiou and Mourad Lahdir from LAMPA Laboratory UMMTO University, Algeria, and David Helbert from XLIM Laboratory Poitiers University, France.

The thirteenth paper is "OP-MR: the implementation of order picking based on mixed reality in a smart warehouse" by Ummi Khaira Latif and Soo Young Shin from Kumoh National Institute of Technology, Korea.

The fourteenth paper is "Tracking and frame-rate enhancement for real-time 2D human pose estimation" by Madhawa Vidanapathirana, Imesha Sudasingha, Jayan Chathuranga Vidanapathirana, Pasindu Kanchana, and Indika Perera from University of Moratuwa, Sri Lanka.

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