



Preface

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In this issue, we have fourteen regular papers:

The first paper is titled “An automatic 3D registration method for rock mass point clouds based on plane detection and polygon matching” by Liang Hu, Jun Xiao and Ying Wang from University of the Chinese Academy of Sciences, China.

The second paper is “A robust visual tracking method via local feature extraction and saliency detection” by Yong Wang from University of Ottawa, China, Xian Wei and Xiaoliang Tang from Chinese Academy of Sciences Fujian Institute of Research on the Structure of Matter, China, Lu Ding from Shanghai Jiao Tong University, China and Huanlong Zhang from Zhengzhou University of Light Industry, China.

The third paper is “Real-time object tracking based on an adaptive transition model and extended Kalman filter to handle full occlusion” by Mohammad Zolfaghari and Hossein Ghanei-Yakhdan from Yazd University, Iran and Mehran Yazdi from Shiraz University, Iran.

The fourth paper is “Simultaneous segmentation and correction model for color medical and natural images with intensity inhomogeneity” by Yunyun Yang and Boying Wu from Harbin Institute of Technology, China and Wenjing Jia from Harbin Institute of Technology (Shenzhen), China.

The fifth paper is “Multidimensional virtual reality-MVR method: a new method of visualization of multidimensional worlds” by Dariusz Jamróz from Akademia Gorniczo-Hutnicza imienia Stanisława Staszica w Krakowie Wydział Elektrotechniki Automatyki Informatyki i Inżynierii Biomedycznej, Poland.

The sixth paper is “Dual-modality spatiotemporal feature learning for spontaneous facial expression recognition in e-learning using hybrid deep neural network” by Xiaoliang

Zhu and Zijian Chen from Center China Normal University, China.

The seventh paper is “Kinetic locally minimal triangulation: theoretical evaluation and combinatorial analysis” by Tomas Vomacka, Ivana Kolingerova and Martin Manak from University of West Bohemia, Czechia.

The eighth paper is “Three-dimensional salient point detection based on the Laplace–Beltrami eigenfunctions” by Dongmei Niu, Han Guo and Xiuyang Zhao from University of Jinan, China and Caiming Zhang from Shandong University, China.

The ninth paper is “Maximum spatial–temporal isometric cluster for dynamic surface correspondence” by Xiang Pan, Zhihao Cheng and Sanyuan Zhang from Zhejiang University, China and Fuchang Liu from Hangzhou Normal University, China.

The tenth paper is “Transformation of portraits to Picasso’s cubism style” by Guanyu Lian, Southeast University, China and Kang Zhang from University of Texas at Dallas, USA.

The eleventh paper is “Hybrid 3D mass-spring system for simulation of isotropic materials with any Poisson’s ratio” by Karolina Golec, Florence Zara and Stéphane Nicolle from Université Claude Bernard Lyon 1, France, Palierne Jean-François from Ecole normale supérieure de Lyon, France and Guillaume Damiand from Centre National de la Recherche Scientifique, France.

The twelfth paper is “Robust dense correspondence using deep convolutional features” by Yang Liu and Zhixun Su from Dalian University of Technology, China, Jinshan Pan from Nanjing University of Science and Technology, China and Kewei Tang from Liaoning Normal University, China.

The thirteenth paper is “Salient object detection via hybrid upsampling and hybrid loss computing” by Zhengyi Liu, Jiting Tang and Peng Zhao from Anhui University, China.

The fourteenth paper is “Compact and intuitive data-driven BRDF models” by Tanaboon Tongbuasirilai, Jonas Unger and Joel Kronander from Linköpings universitet, Sweden and Murat Kurt from Ege Üniversitesi, Turkey.

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