Preface

Nadia Magnenat-Thalmann¹

© Springer-Verlag GmbH Germany, part of Springer Nature 2020

In this issue, we have thirteen regular papers, one survey paper and one correction:

The first paper is titled “Cancelable multi-biometric recognition system based on deep learning” by Essam Abdellatef from Delta Academy for Engineering, Egypt, Nabil A. Ismail, Salah E. S. Abd Elrahman and Fathi E. Abd El-Samie from Menoufia University, Egypt, Khalid N. Ismail from Durham University, UK, and Mohamed Rihan from Shenzhen University, China.

The second paper is “HDR image retrieval by using color-based descriptor and tone mapping operator” by Raoua Khwildi and Azza Ouled Zaid from Ecole Nationale d’Ingenieurs de Tunis, Tunisia.

The third paper is “DTW-CNN: time series-based human interaction prediction in videos using CNN-extracted features” by Mahlagha Afrasiabi, Hassan Khotanlou and Muharrem Mansoorizadeh from Bu Ali Sina University, Iran.

The fourth paper is “Pattern understanding and synthesis based on layout tree descriptor” by Xinwei Zhang, Jin Wang, Guodong Lu and Xusheng Zhang from Zhejiang University, China.

The fifth paper is “Fast and sub-pixel precision target tracking algorithm for intelligent dual-resolution camera” by Zhuang He, Qi Li, Huajun Feng and Zhihai Xu from Zhejiang University, China.

The sixth paper is “Visual tracking tracker via object proposals and co-trained kernelized correlation filters” by Jimmy T. Mbelwa from University of Dar es Salaam, Tanzania, Qingjie Zhao from Beijing Institute of Technology, China, and Fasheng Wang from Dalian Medical University, China.

The seventh paper is “Fast two-stage segmentation model for images with intensity inhomogeneity” by Yangyang Song and Guohua Peng from Northwestern Polytechnical University, China.

The eighth paper is “A personalized traffic simulation integrating emotion using a driving simulator” by Xinmiao Fan, Yan Mao and Wu He from Sichuan Normal University, China, and Gaofeng Pan from Southwest University, China.

The ninth paper is “End-to-end deep metric network for visual tracking” by Shengjing Tian, Shuwei Shen, Guoqiang Tian, Xiuping Liu and Baocai Yin from Dalian University of Technology, China.

The tenth paper is “Deep motion templates and extreme learning machine for sign language recognition” by Javed Imran and Balasubramanian Raman from Indian Institute of Technology Roorkee, India.

The eleventh paper is “Physics-preserving fluid reconstruction from monocular video coupling with SFS and SPH” by Xiaoying Nie, Yong Hu and Xukun Shen from Beihang University, China.

The twelfth paper is the “Correction to: Physics-preserving fluid reconstruction from monocular coupling with SFS and SPH” by Xiaoying Nie, Yong Hu and Xukun Shen from Beihang University, China.

The thirteenth paper is “3D RANs: 3D Residual Attention Networks for action recognition” by Jiahui Cai and Jianguo Hu from Sun Yat-sen University, China.

The fourteenth paper is “Integrating global and local image features for enhanced loop closure detection in RGB-D SLAM systems” by Oğuzhan Güçlü and Ahmet Burak Can from Hacettepe University, Turkey.

The fifteenth paper is “Classification of priors and regularization techniques appurtenant to single image super-resolution” by Garima Pandey and Umesh Ghanekar from National Institute of Technology Kurukshetra, India.

Nadia Magnenat-Thalmann

Editor-in-Chief

The Visual Computer

Publisher’s Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

✉ Nadia Magnenat-Thalmann
thalmann@miralab.ch

¹ MIRALab-CUI, University of Geneva, Battelle, Building A, 7, Route de Drize, 1227 Carouge, Geneva, Switzerland