



Preface

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In this issue, we have three papers from International Conference on Cyberworlds 2018 held on October 3, 2018–October 5, 2018, in Singapore and ten regular papers.

The first paper has been selected from the Cyberworlds 2018 conference and is titled “An Enhanced Sweep and Prune Algorithm for Multi-body Continuous Collision Detection” by Binbin Qi and Mingyong Pang from Nanjing Normal University, China.

The second paper from the Cyberworlds 2018 conference is titled “Development and Evaluation of a Self-Training System for Tennis Shots with Motion Feature Assessment and Visualization” by Masaki Oshita, Takumi Inao, and Shunsuke Ineno from Kyushu Institute of Technology, Japan, Tomohiko Mukai from Tokyo Metropolitan University, Japan, and Shigeru Kuriyama from Toyohashi University of Technology, Japan.

The third paper from the Cyberworlds 2018 conference is titled “Locally Controllable Neural Style Transfer on Mobile Devices” by Max Reimann, Mandy Klingbeil, and Sebastian Pasewaldt from Digital Masterpieces GmbH, Germany, and Amir Semmo, Matthias Trapp, and Jurgen Dollner from Hasso Plattner Institute, University of Potsdam, Germany.

The next ten papers described are regular submitted papers. The first regular paper is titled “Low-rank and Sparse Matrix Decomposition via the Truncated Nuclear Norm and a Sparse Regularizer” by Zhichao Xue, Jing Dong, and Ryad Chellali from Nanjing Tech University, China, and Yuxin Zhao and Chang Liu from Harbin Engineering University, China.

The second regular paper is “PolarViz: a discriminating visualization and visual analytics tool for high-dimensional data” by Yan Chao Wang, Qian Zhang, Feng Lin, and Hock Soon Seah from Nanyang Technological University, Singapore, and Chi Keong Goh from Rolls-Royce Singapore Private Limited, Singapore.

The third regular paper is “MSANet: multimodal self-augmentation and adversarial network for RGB-D object recognition” by Zhou Feng, Hu Yong, and Shen Xukun from Beihang University, China.

The fourth regular paper is “A unified model for human activity recognition using spatial distribution of gradients and difference of Gaussian kernel” by Dinesh Kumar Vishwakarma and Chhavi Dhiman from Delhi Technological University, India.

The fifth regular paper is “Unified convolutional neural network for direct facial keypoints detection” by Je-Kang Park and Dong-Joong Kang from Pusan National University, South Korea.

The sixth regular paper is “Rolling bilateral filter-based text image deblurring” by Hang Yang from Chinese Academy of Science, China, and Zhongbo Zhang and Yujing Guan from Jilin University, China.

The seventh regular paper is “Object tracking based on Huber loss function” by Yong Wang from University of Ottawa, Canada, Shiqiang Hu from Shanghai Jiao Tong University, China, and Shandong Wu from University of Pittsburgh, USA.

The eighth regular paper is “Modeling coverage with semantic embedding for image caption generation” by Teng Jiang, Zehan Zhang, and Yupu Yang from Shanghai Jiao Tong University, China.

The ninth regular paper is “Hand-drawn grayscale image colorful colorization based on natural image” by Liyang Fang, Jin Wang, Guodong Lu, Dongliang Zhang, and Jianhui Fu from Zhejiang University, China.

The tenth regular paper is “A novel multi-graph framework for salient object detection” by Ye Lu, Kedong Zhou, and Xiyin Wu from Nanjing University of Science and Technology, China, and Penghan Gong from Shijiazhuang Campus, China.

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