

**Table of Contents of
International Journal of Performability Engineering, Vol. 14, No. 1, January 2018**

Author(s)	Title of the Paper	Pages
M. Alamelu Mangai, R. Jegadeeshwaran, and V. Sugumaran	Vibration Based Condition Monitoring of a Brake System using Statistical Features with Logit Boost and Simple Logistic Algorithm	1-8
Shubham Patil, Jagdish, and Lokavarapu Bhaskara Rao	CFD Analysis of Turbocharger Compressor to Study the Effect of Geometry Change on Surge and Performance of Compressor	9-16
Fubao Zhu, Mengmeng Tang, Lijie Xie, and Haodong Zhu	A Classification Algorithm of CART Decision Tree based on MapReduce Attribute Weights	17-25
Yun Wu, Ren Qian, Xiaofei Dong, Yiqiao Li, and Xinwei Niu	ICFLSB: An Improved Collaborative Filtering Algorithm based on Latent Semantic and Bayesian	26-36
Tiejun Zhu and Michael Berry	A Sustainability Assessment on Sino-Foreign Cooperative Design Major and an Appraisal of the Innovative Application of MOOCS	37-47
Liangkuan Zhu, Liang Liu, Weipeng Jing, and Jianping Huang	Contour Extraction based on Circular Hough Transform for Forest Canopy Digital Hemispherical Photography	48-56
Tian Zhang	A Local Localization Algorithm based on WSN	57-66
Jie Hua, Mao Lin Huang, and Guohua Wang	Graph Layout Performance Comparisons of Force-Directed Algorithms	67-76
Wenzhen Yang, Jiali Luo, Xinli Wu, Xin Li, Zhaona Jiang, and Zhigeng Pan	Image Tactile Perception with an Improved JSEG Algorithm	77-88
Kaiyun Sun, Zhiquan Feng, Changsheng Ai, Yingjun Li, Jun Wei, Xiaohui Yang, Xiaopei Guo, Hong Liu, Yanbin Han, and Yongguo Zhao	An Intelligent Discovery and Error Correction Algorithm for Misunderstanding Gesture based on Probabilistic Statistics Model	89-100
Cuiwei Liu, Yaguang Lu, Xiangbin Shi, Deyuan Zhang, and Fang Liu	A Novel Double-Layer Framework for Joint Segmentation and Recognition of Multiple Actions	101-110
Yanfen Gan, Jimlee Chung, Janson Young, Zixin Hu, and Jinhong Zhao	A Duplicated Forgery Detection Fusion Algorithm using SIFT and Radial-Harmonic Fourier Moments	111-120
Lanling Zeng, LingLing Zhang, Yang Yang, Wei Zhang, and Yongzhao Zhan	3D Plants Reconstruction based on Point Cloud	121-133
Nan Xiang, Zehong Zhou, and Zhigeng Pan	Using SIR Model to Simulate Emotion Contagion in Dynamic Crowd Aggregation Process	134-143
Jing Huang, Boxiong Yang, and Jiajie Chen	A Non-Contact Measurement Method based on HoloLens	144-150
Zhenning Zhang, Na Chen, and Weiqing Li	An Estimation Method of Skeleton Proportion for Hand's Motion Capture	151-158
Hao Jiang, Chang Gao, Tianlu Mao, Hui Li, and Zhaoqi Wang	Exploring the Effects of Group Interaction in Large Display Systems	159-167
Yi Zhang, Yanning Zhang, Jinqiu Sun, Haisen Li, and Yu Zhu	Learning Near Duplicate Image Pairs using Convolutional Neural Networks	168-177
Qiao Tian, Jingmei Li, Shuo Zhao, Fanyuan Zheng, and Jiaxiang Wang	A Cache Consistency Protocol with Improved Architecture	178-185
Xiaoyang Ma, Xiaodong Zhang, and Rui Peng	An Advanced Replacement Model for a Two-Unit System	186-191