

Table of Contents

1	Underwater image enhancement using CycleGAN	1
	<i>Xiwei Chen, Ying Liu, Jiawei Wei, Qianyi Wan, Shenyi Liu, Shaoyong Cao, Xinyan Yin</i>	
2	Alliance based approach for reducing saturation and congestion in LTE networks	6
	<i>Kahina Ouazine, Hachem Slimani, Mouloud Atmani, Macinia Boudiab, Hana Bensassi</i>	
3	Intelligent monitoring technology for aerospace environment based on time series neural network.....	13
	<i>Pengcheng Li, Waner Liu, Yang Yu, Junqing Qi, Xianyong Wang</i>	
4	Behavior recognition method based on MSR enhanced micro-Doppler spectra	18
	<i>Yue Geng, Jun Zhang, Xinchun Zhao, Jiazhi Yu, JianQiang Mei</i>	
5	Self-attention light network for hierarchical severity detection of diabetic retinopathy.....	23
	<i>Zhilin Song, Jianhua Dong, Hu Liang, Shengrong Zhao</i>	
6	Taylorboost: reinterpreting taylor expansion while boosting anomaly detection	30
	<i>Shiyang Wang</i>	
7	Power cable tunnel online monitoring based on 5G network slicing technology.....	38
	<i>Lei Sun, Wei Wang, Qiushi Meng, Tao Xu, Yongtao Chen, Danke Hong, Hailong Zhu, Guoyi Zhang</i>	
8	A decoupled adaptive particle swarm optimization method based on the large-scale optimization.....	44
	<i>Feng Ma</i>	
9	A micro-grid energy management strategy based on internet of things technology	48
	<i>Tingting Yan, Zesan Liu, Xinyi Liu, Chenyang Yan, Yu Meng, Ying Gao, Pan Zhang</i>	
10	Research on the quality evaluation of acoustic characteristics of lute audio signal based on the physical model of string vibration	56
	<i>Zixin Wang</i>	
11	Research on Internet financial risk early warning based on a CNN-LSTM model	60
	<i>Ting Ren, Xian Fu, Weiqi Zhou, Haiyan Qin, Xu Cheng</i>	
12	A method of long-short time Fourier transform for estimation of fundamental frequency	65
	<i>Zikun Chen</i>	
13	Cloud-Native CI/CD platform	71
	<i>Jing Zhang, Yanjie Wang, Xinyi Liu</i>	

14	Evaluation of the security of password-protected encrypted RAR3 and RAR5 archives.....	76
	<i>Ehlimana Krupalija, Saša Mrdović, Emir Cogo, Irfan Prazina, Šeila Bećirović</i>	
15	Faster R-CNN based face detection for streaming media.....	83
	<i>Weiqi Zhou, Yī Ding, Sisi Dong, Ruiwen Ye, Ting Ren</i>	
16	Improving energy consumption forecasting using DLnet based on pe-riodic modeling	89
	<i>XueChao Liao, Xiang Huang</i>	
17	Outage performance analysis of cooperative vehicle network commu-nication system over N-Nakagami fading channels.....	94
	<i>Li Ya, Zhang Yu</i>	
18	Research on an inertial sensor-based human motion twin system.....	99
	<i>Pin Ge, Junjun Hong, Yang Ping</i>	