

Table of Contents

The Research into Structure-dependent Gas-Solid Two-phase Flow within Vertical Screw Conveyor **1**

Sun Xiaoxia, Meng Wenjun, Leung, R. C. K. and Yuan yuan

Development of an Application Providing Information on Speech Rehabilitation Service based on Android Mobile Platform **15**

Haewon Byeon, Dongwoo Lee and Sunghyoun Cho

Design of Multi-tasking Cooperative Path Planning Simulation System with Multi-algorithms Fusion **27**

Jing Zhou and Hui Cheng

Automatic and Invariant Recognition of Traffic Sign with Color-HMAX and Deep ELM Based Classifier **37**

Khan Babar, Wang Zhijie, Muhammad Anwar Ahmed, Han Fang and Zain Anwar Ali

Video Tracking Algorithm Based on Kalman Filter and Online Random Forest **47**

Lijun Xue and Lili Wang

Relevance Mining of Multi-Keyword Search to Originate Initial Cluster Centers for K-Means Algorithm **57**

Zhaoyang Qu, Wei Ding, Tiehua Zhou, Nan Qu, Ling Wang and Hongbo Lv

Assembly of an S-band FMCW Doppler Radar System for improved Pedestrians Detection **65**

N.F.M. Ariffin, A.F. Ismail, F.N.M. Isa, and A.M. Muslim

Efficient ID-based Rabin Signature without Pairings **75**

Chaoyang Li, Xiangjun Xin and Xiaolin Hua

Handover Analysis for Multicast Enabled Network Mobility Management Using Network Simulator **81**

Azana Hafizah Mohd Aman, Aisha-Hassan A. Hashim, Huda Adibah Mohd Ramli and Shayla Islam

Data-oriented Media Service of Intelligent Car-to-x Communication in the Context of "Internet Plus" **91**

Xu Zhiqiang, He Jialiang and Wang Jiafu

A Method for Audio and Video Call on Smart Phones Based on Android and VoIP **101**

Haiyao Wang, Huiyong Wang, Jingyang Wang and Min Huang

Network Architecture of Wireless Underground Sensor Networks for Oil and Gas Pipeline Monitoring **111**

Huaping Yu, Lan Huang and Mei Guo