

## Contents

### 233 Antenna selection based on large-scale fading for distributed MIMO systems

*Shi Ronghua (施荣华), Yuan Zexi, Dong Jian, Lei Wentai, Peng Chunhua*

### 241 A nearest neighbor search algorithm of high-dimensional data based on sequential NPsim matrix

*Li Wenfa (李文法), Wang Gongming, Ma Nan, Liu Hongzhe*

### 248 Real-time vehicle tracking for traffic monitoring systems

*Hu Shuo (胡硕), Zhang Xuguang, Wu Na*

### 256 A survey of occlusion detection method for visual object

*Zhang Shihui (张世辉), He Huan, Liu Jianxin,*

*Zhang Yucheng, Pang Yunchong, Sang Yu*

### 266 Study on video intelligent early warning and tracking system based on ARM

*Liu Yansong (刘岩松), Xu Yihong, Xing jianping*

### 273 Concurrent processes scheduling with scarce resources in small and medium enterprises

*Ma Songhua (马嵩华), Tian Ling*

### 282 Real-time video compression system design and hardware implementation based on multiple ADV212

*Xu Dongdong(徐冬冬), Wang Wenhua, Zhang Yu,*

*Zhang Xingxiang, Fu Tianjiao, Ren Jianyue*

### 288 MapReduce based computation of the diffusion method in recommender systems

*Peng Fei (彭飞), You Jiali, Zeng Xuewen, Deng Haojiang*

### 297 Forming mechanism of ink layer on the printing plate in inking process and influencing factors of its thickness

*Chu Hongyan(初红艳), Xu Kangjian, Zhang Xiaolin,*

*Cai Ligang*

### 305 Convex decomposition of concave clouds for the ultra-short-term power prediction of distributed photovoltaic system

*Cai Shibo (蔡世波), Tong Jianjun, Bao Guanjun, Pan Guobing,*

*Zhang Libin, Xu Fang*

### 313 Studies of world carbon fiber industry from a perspective of patent analysis

*Zheng Jia (郑佳), Yuan Xuemin, Zhang Zeyu*

### 321 Design of trotting controller for the position-controlled quadruped robot

*Zhang Guoteng (张国腾), Liu Jinchang, Rong Xuewen,*

*Li Yibin, Chai Hui, Li Bin, Zhang Hui, Zhang Shuaishuai*

### 334 Path planning based on sliding window and variant A\* algorithm for quadruped robot

*Zhang Hui (张慧), Rong Xuewen, Li Yibin, Li Bin,*

*Zhang Junwen, Zhang Qin*