



*Frontiers of
Information
Technology &
Electronic
Engineering*

Editors-in-Chief

Yunhe PAN
Aiguo FEI

Administrated by

Chinese Academy of Engineering

Sponsored by

Chinese Academy of Engineering
& Zhejiang University

Published by

Zhejiang University Press

Edited by

Editorial Office of *Journal of
Zhejiang University-SCIENCE A/B
& FITEE*

Printed by

Hangzhou Shengyuan Printing
Services Co., Ltd.

Publication Date

1st Week per Month

Subscription

Zhejiang University Press
Postal distributing code: 32-324

Contact

Zhejiang University Press,
148 Tianmushan Road,
Hangzhou 310028, China
Tel: +86-571-88273162
Email: fitee@zju.edu.cn

Price (Domestic)

160 CNY/Issue

ISSN 2095-9184

CN 33-1389/TP

CONTENTS

Review Article

- 767 A comprehensive review of optical wireless power transfer technology
Syed Agha Hassnain MOHSAN, Haoze QIAN, Hussain AMJAD

Research Articles

- 801 Model division multiple access for semantic communications
Ping ZHANG, Xiaodong XU, Chen DONG, Kai NIU, Haotai LIANG,
Zijian LIANG, Xiaoqi QIN, Mengying SUN, Hao CHEN, Nan MA, Wenjun XU,
Guangyu WANG, Xiaofeng TAO
- 813 A joint image compression and encryption scheme based on a novel
coupled map lattice system and DNA operations
Yuanyuan LI, Xiaoqing YOU, Jianquan LU, Jungang LOU
- 828 Underwater object detection by fusing features from different
representations of sonar data
Fei WANG, Wanyu LI, Miao LIU, Jingchun ZHOU, Weishi ZHANG
- 844 A multipath routing algorithm for satellite networks based on service
demand and traffic awareness
Ziyang XING, Hui QI, Xiaoqiang DI, Jinyao LIU, Rui XU, Jing CHEN,
Ligang CONG
- 859 A new focused crawler using an improved tabu search algorithm
incorporating ontology and host information
Jingfa LIU, Zhen WANG, Guo ZHONG, Zhihe YANG
- 876 Visual-feature-assisted mobile robot localization in a long corridor
environment
Gengyu GE, Yi ZHANG, Wei WANG, Lihe HU, Yang WANG, Qin JIANG

- 890 A collaborative assembly for low-voltage electrical apparatuses
Huanpei LYU, Libin ZHANG, Dapeng TAN, Fang XU
- 906 Controllability of Boolean control networks with multiple time delays in both states and controls
Yifeng LI, Lan WANG
- 916 Ka-band broadband filtering packaging antenna based on through-glass vias (TGVs)
Zhen FANG, Jihua ZHANG, Libin GAO, Hongwei CHEN, Wenlei LI, Tianpeng LIANG, Xudong CAI, Xingzhou CAI, Weicong JIA, Huan GUO, Yong LI

Correspondence

- 927 Wideband circular-polarized transmitarray for generating a high-purity vortex beam
Liangjie QIU, Xiuping LI, Zihang QI, Wenyu ZHAO, Yuhan HUANG



*Frontiers of
Information
Technology &
Electronic
Engineering*