



*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 Articles

- 1093 A survey of the pursuit–evasion problem in swarm intelligence
Zhenxin MU, Jie PAN, Ziyue ZHOU, Junzhi YU, Lu CAO
- 1117 Artificial intelligence algorithms for cyberspace security applications:
a technological and status review
Jie CHEN, Dandan WU, Ruiyun XIE

Research Articles

- 1143 Reversible data hiding using a transformer predictor and an adaptive
embedding strategy
Linna ZHOU, Zhigao LU, Weike YOU, Xiaofei FANG
- 1156 High capacity reversible data hiding in encrypted images based on
adaptive quadtree partitioning and MSB prediction
Kaili QI, Minqing ZHANG, Fuqiang DI, Yongjun KONG
- 1169 TPE-H2MWD: an exact thumbnail preserving encryption scheme with
hidden Markov model and weighted diffusion
Xiuli CHAI, Xiuhui CHEN, Yakun MA, Fang ZUO, Zhihua GAN, Yushu ZHANG
- 1181 Federated unsupervised representation learning
Fengda ZHANG, Kun KUANG, Long CHEN, Zhaoyang YOU, Tao SHEN,
Jun XIAO, Yin ZHANG, Chao WU, Fei WU, Yueting ZHUANG, Xiaolin LI
- 1194 RCDS: a right-confirmable data-sharing model based on symbol
mapping coding and blockchain
Liang WANG, Shunjiu HUANG, Lina ZUO, Jun LI, Wenyuan LIU
- 1214 High-accuracy target tracking for multistatic passive radar based on
a deep feedforward neural network
Baoxiong XU, Jianxin YI, Feng CHENG, Ziping GONG, Xianrong WAN

Perspective

1231 Physical artificial intelligence (PAI): the next-generation artificial intelligence

Yingbo LI, Zhao LI, Yucong DUAN, Anamaria-Beatrice SPULBER



*Frontiers of
Information
Technology &
Electronic
Engineering*