

REVIEW

Vehicular mobility patterns and their applications to Internet-of-Vehicles: a comprehensive survey211301(42)
Qimei CUI, Xingxing HU, Wei NI, Xiaofeng TAO, Ping ZHANG, Tao CHEN, Kwang-Cheng CHEN & Martin HAENGGI

A review of machine learning-based failure management in optical networks.....211302(19)
Danshi WANG, Chunyu ZHANG, Wenbin CHEN, Hui YANG, Min ZHANG & Alan Pak Tao LAU

Recent progress in 2D van der Waals heterostructures: fabrication, properties, and applications.....211401(28)
Zenghui WANG, Bo XU, Shenghai PEI, Jiankai ZHU, Ting WEN, Chenyin JIAO, Jing LI, Maodi ZHANG & Juan XIA

RESEARCH PAPER

Robust model selection for positive and unlabeled learning with constraints.....212101(13)
Tong WEI, Hai WANG, Weiwei TU & Yufeng LI

Reconstructing and editing fluids using the adaptive multilayer external force guiding model212102(16)
Xiaoying NIE, Yong HU, Xukun SHEN & Zhiyuan SU

Repeatable adaptive keypoint detection via self-supervised learning212103(25)
Pei YAN, Yihua TAN & Yuan TAI

Fully actuated system approach to attitude control of flexible spacecraft with nonlinear time-varying inertia212201(15)
Tianyi ZHAO & Guang-Ren DUAN

Robust autonomous landing of UAVs in non-cooperative environments based on comprehensive terrain understanding212202(15)
Lyuji CHEN, Yao XIAO, Xiaming YUAN, Yiding ZHANG & Jihong ZHU

A logical network approximation to optimal control on a continuous domain and its application to HEV control.....212203(18)
Yuhu WU, Jiangyan ZHANG & Tielong SHEN

Finite-time stabilization of nonlocal Lipschitzian stochastic time-varying nonlinear systems with Markovian switching212204(21)
Gui-Hua ZHAO & Shu-Jun LIU

Linear-quadratic optimal control for partially observed forward-backward stochastic systems with random jumps202205(15)
Tian CHEN, Guangchen WANG & Zhen WU

Observer-based asynchronous self-triggered control for a dynamic positioning ship with the hysteresis input212206(14)
Guoqing ZHANG, Mingqi YAO, Qihe SHAN & Weidong ZHANG

Performance analysis of the nonlinear self-interference cancellation for full-duplex communications212301(17)
Nanzhou HU, Shanghui XIAO, Wensheng PAN, Qiang XU, Shihai SHAO & Youxi TANG

A robust tracking method focusing on target fluctuation and maneuver characteristics.....212302(18)
Weiming TIAN, Linlin FANG, Rui WANG, Weidong LI, Chao ZHOU & Cheng HU

POSITION PAPER

On the revolution of the information network development paradigm213301(15)
Jiangxing WU

MOOP

A 24.25–27.5 GHz 128-element dual-polarized 5G integrated phased array with 5.6%-EVM 400-MHz 64-QAM and 50-dBm EIRP.....214301(3)
Huiqi LIU, Dixian ZHAO, Yongran YI & Xiaohu YOU

LETTER

- Further results on bilinear behavior formulation of finite state machines219201(2)
Jumei YUE, Yongyi YAN, Zengqiang CHEN & He DENG
- New stability conditions of CPSs with multiple transportation channels under DoS attacks219202(2)
Jumei WEI, Xueyan YAN, Xunlin ZHU, Mingliang XU, Rui MA & Haiping DU
- Cyber topology design guaranteed structural controllability for networked systems219203(2)
Jianbin MU, Shaoyuan LI, Jing WU & Ning LI
- Static output feedback control for uncertain Roesser-type continuous-time two-dimensional piecewise affine systems.....219204(2)
Meng WANG, Jianbin QIU, Huaicheng YAN, Zhichen LI & Yue LI

Information for authors

SCIENCE CHINA Information Sciences (Sci China Inf Sci), cosponsored by the Chinese Academy of Sciences and the National Natural Science Foundation of China, and published by Science China Press, is committed to publishing high-quality, original results of both basic and applied research in all areas of information sciences, including computer science and technology, control science and engineering, information and communication engineering, microelectronics and solid state electronics, etc. *Sci China Inf Sci* is indexed in Science Citation Index Expanded (SCIE), Engineering Index (EI), Journal Citation Reports/Science Edition (JCR), Academic OneFile, Astrophysics Data System (ADS), CSA, Cabells, Current Contents/Engineering, Computing and Technology, DBLP, Digital Mathematics Registry, Earthquake Engineering Abstracts, Engineered Materials Abstracts, Gale, Google, INSPEC, Mathematical Reviews, OCLC, ProQuest, SCOPUS, Summon by Serial Solutions, VINITI. *Sci China Inf Sci* is published monthly in both print and electronic forms.

Authors are recommended to use *Science China's* online submission services. To submit a manuscript, please go to www.scichina.com, create an account to log in <http://mc03.manuscriptcentral.com/scis>, and follow the instructions there to upload text and image/table files.

All submissions will be reviewed by referees selected by the editorial board. The decision of acceptance or rejection of a manuscript is made by the editorial board based on the referees' reports. The entire review process may take 90 to 120 days, and the editorial office will inform the author of the decision as soon as the process is completed. If the editorial board fails to make a decision within 90 days, please contact the editorial office.

Authors should guarantee that their submitted manuscript has not been published before and has not been submitted elsewhere for print or electronic publication consideration. Submission of a manuscript is taken to imply that all the named authors are aware that they are listed as coauthors, and they have agreed on the submitted version of the paper. No change in the order of listed authors can be made without an agreement signed by all the authors.

Ethical responsibilities of authors: Authors should refrain from misrepresenting research results which could damage the trust in the journal and ultimately the entire scientific endeavour, and follow the COPE guidelines on how to deal with potential acts of misconduct.

Disclosure of potential conflict of interests: Authors must disclose all relationships or interests that could influence or bias the work. The corresponding author will include a summary statement in the text of the manuscript in a separate section before the reference list.

Once a manuscript is accepted, the authors should send a copyright transfer form signed by all authors to Science China Press. Authors of one published paper will be presented one sample copy. If more sample copies or offprints are required, please contact the managing editor and pay the extra fee. The full text opens free to domestic readers at www.scichina.com, and is available to overseas readers at link.springer.com.