

## **Contents**

Vol. 63 No. 7 July 2020

### **Special Focus on Brain Imaging and Addiction**

Proton magnetic resonance spectroscopy in substance use disorder: recent advances and future clinical applications.....	170101(14)
Tianzhen CHEN, Haoye TAN, Huiting LEI, Hang SU & Min ZHAO	
Neuroimaging of inflammation in alcohol use disorder: a review.....	170102(19)
Dana E. FELDMAN, Katherine L. MCPHERSON, Catherine L. BIESECKER, Corinde E. WIERS, Peter MANZA, Nora D. VOLKOW & Gene-Jack WANG	
Neuroimaging and intervening in memory reconsolidation of human drug addiction.....	170103(11)
Chuan FAN, Yan CHENG, Huixing GOU, Chang LIU, Shengliang DENG, Chialun LIU, Xianwen CHEN, Junjie BU & Xiaochu ZHANG	
Bariatric surgery induces alterations in effective connectivity between the orbitofrontal cortex and limbic regions in obese patients.....	170104(11)
Shijun DUAN, Gang JI, Guanya LI, Yang HU, Wenchao ZHANG, Jia WANG, Dardo TOMASI, Nora D. VOLKOW, Yongzhan NIE, Guangbin CUI, Gene-Jack WANG & Yi ZHANG	
Potential neural mechanism of single session transcranial magnetic stimulation on smoking craving .....	170105( 3 )
Kai YUAN, Xinwen WEN, Shicong WANG, Shuang LIU, Ziqiang SHAO, Min ZHANG, Yan XU, Longmao CHEN & Dahua YU	
Electroacupuncture reduces posterior cingulate cortex activation and functional connectivity during food cue stimulation in overweight/obese subjects .....	170106( 3 )
Yang HE, Karen M. von DENEEN, Guanya LI, Mingzhu XU, Wenjing ZHANG, Xiaoping LI, Yuanyuan REN & Yi ZHANG	
Dysfunctional resting-state EEG microstate correlated with the severity of cigarette exposure in nicotine addiction .....	170107( 3 )
Yan CHENG, Junjie BU, Nan LI, Jian LI, Huixing GOU, Shinan SUN, Chang LIU, Zida JIN, Changle HE, Chuan FAN, Chialun LIU & Xiaochu ZHANG	

### **Special Focus on Bio-Robotic Systems: Modeling, Design, Control and Perception**

Bio-inspired robotic impedance adaptation for human-robot collaborative tasks .....	170201(10)
Chao ZENG, Chenguang YANG & Zhaopeng CHEN	
Trajectory tracking control of a bionic robotic fish based on iterative learning .....	170202( 9 )
Ming WANG, Yanlu ZHANG, Hufang DONG & Junzhi YU	
A bio-inspired flight control strategy for a tail-sitter unmanned aerial vehicle .....	170203(10)
Bin ZHU, Jianzhong ZHU & Qingwei CHEN	
Design and analysis of a whole-body controller for a velocity controlled robot mobile manipulator .....	170204(15)
Mantian LI, Zeguo YANG, Fusheng ZHA, Xin WANG, Pengfei WANG, Ping LI, Qinyuan REN & Fei CHEN	
Design and experiment of bio-inspired GER fluid damper .....	170206( 3 )
Huayan PU, Yining HUANG, Yi SUN, Min WANG, Shujin YUAN, Zhen KONG, Peipei YANG, Liufeng CHU, Jinbo WU, Yan PENG, Shaorong XIE & Jun LUO	
Development of a lower limb multi-joint assistance soft exosuit .....	170207( 3 )
Xinyu WU, Kai FANG, Chunjie CHEN & Yu ZHANG	
Vision-based obstacle avoidance for flapping-wing aerial vehicles .....	170208( 3 )
Qiang FU, Yuhang YANG, Xiangyang CHEN & Yalin SHANG	
Data fusion using Bayesian theory and reinforcement learning method .....	170209( 3 )
Tongle ZHOU, Mou CHEN, Chenguang YANG & Zhiqiang NIE	
Gait planning and control method for humanoid robot using improved target positioning .....	170210( 3 )
Lei ZHANG, Huayan ZHANG, Ning XIAO, Tianwei ZHANG & Gui-Bin BIAN	

### **From CAS & CAE Members**

Research trend of large-scale supercomputers and applications from the TOP500 and Gordon Bell Prize .....	171001(14)
Weimin ZHENG	
Unifying logic rules and machine learning for entity enhancing .....	172001(19)
Wenfei FAN, Ping LU & Chao TIAN	
Observer-based multi-objective parametric design for spacecraft with super flexible netted antennas .....	172002(21)
Guang-Ren DUAN & Tian-Yi ZHAO	

### **RESEARCH PAPER**

Online traffic-aware linked VM placement in cloud data centers .....	172101(23)
Liwei LIN, David S. L. WEI, Ruhui MA, Jian LI & Haibing GUAN	

From model to implementation: a network algorithm programming language.....	172102(17)
Jian WANG, Jie AN, Mingshuai CHEN, Naijun ZHAN, Lulin WANG, Miaoqiao ZHANG & Ting GAN	
CT radiomics can help screen the coronavirus disease 2019 (COVID-19): a preliminary study.....	172103( 8 )
Mengjie FANG, Bingxi HE, Li LI, Di DONG, Xin YANG, Cong LI, Lingwei MENG, Lianzhen ZHONG, Hailin LI, Hongjun LI & Jie TIAN	

## MOOP

Recursive narrative alignment for movie narrating.....	174101( 3 )
Zhongyi HAN, Hongbo WU, Benzheng WEI, Yilong YIN & Shuo LI	

## LETTER

IMCI: an efficient fingerprint retrieval approach based on 3D stacked memory .....	179101( 3 )
Wen CHENG, Ran CAI, Lingfang ZENG, Dan FENG, André BRINKMANN & Yang WANG	
Boosting performance of virtualized desktop infrastructure with physical GPU and SPICE .....	179102( 3 )
Shupan LI, Limin XIAO, Chungang SHI, Liequan CHE, Changyou ZHANG & Yuanzhang LI	
Weight distribution of two classes of linear codes with a few weights .....	179103( 3 )
Yuanlong SONG & Jing YANG	
Blocked WDD-FNN and applications in optical encoder error compensation .....	179201( 3 )
Fang DENG, Jiachen ZHAO & Yeyun CAI	
Mean-variance portfolio selection with discontinuous prices and random horizon in an incomplete market.....	179202( 3 )
Haiyang WANG & Zhen WU	
Deep learning network for UAV person re-identification based on residual block .....	179203( 3 )
Shujian ZHANG & Chen WEI	
Fault-tolerant control of energy-conserving networks.....	179204( 3 )
Hao YANG, Zejun ZHANG, Chencheng ZHANG & Bin JIANG	
Adaptive sliding mode control for high-order system with mismatched disturbances .....	179205( 3 )
Jianguo GUO, Xiangyu ZHENG & Jun ZHOU	

## 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](http://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](http://www.scichina.com), and is available to overseas readers at [link.springer.com](http://link.springer.com).