

IET CAAI Transactions on Intelligence Technology Call for Papers

FULLY OPEN
ACCESS
JOURNAL



SPECIAL ISSUE ON:

Advances in Bio-inspired Heuristics for Computing

Editors-in-Chief: **Cesare Alippi, Politecnico di Milano, Italy**
Hong Liu, Peking University, PR China

Bio-inspired computing (BIC) is a field of study that abstracts computing ideas (data structures, operations with data, ways to control operations, computing models, etc.) of living phenomena or biological systems, such as evolution, cell, tissue, neural network, immune system and ant colony.

The 13th International Conference on Bio-inspired Computing: Theories and Applications (BIC-TA 2018) will be held on 2nd-4th November 2018 in Beijing, China. BIC-TA 2018 is the 13th annual event in the BIC-TA series and aims to provide an international forum for researchers working in the field of bio-inspired computing to present their recent results and to exchange ideas.

This Special Issue aims to promote expanded BIC-TA conference papers and additional research papers on bio-inspired computing. All submissions should report research contributions as methodological perspectives or from an application point of view. The topics covered by this Special Issue include bio-inspired computing methodologies and theories and bio-inspired computing applications.

Topics of interest include, but are not limited to:

- Artificial intelligence
- Artificial life and artificial immune systems
- Autonomous mental development
- Bio-inspired control theory and applications
- Brain-inspired and brain-like computation
- Cellular automata and cellular (in-vivo) computing
- Computational neuroscience
- Machine vision
- Complex networks and complex systems
- Cybernetics
- DNA, molecular and membrane computing
- Evolutionary computation
- Fuzzy logic systems
- Hybrid intelligent systems
- Intelligent agents
- Neural networks and deep learning
- Operations research
- Quantum computing
- Self-assembling and self-organising systems
- Swarm intelligence
- Systems biology and systems dynamics
- Systems engineering

To learn more about the journal and to submit your paper visit:
www.ietdl.org/trit

Publication schedule:

Submission Deadline:

15 December 2018

Publication Date:

September 2019

Guest Editors:

Prof. Xinchao Zhao

Beijing University of Posts and
Telecommunications,
PR China

E: xcbupt@126.com, zhaoxc@bupt.edu.cn

Prof. Maoguo Gong

Xidian University, PR China

E: gong@ieee.org,
mggong@mail.xidian.edu.cn

Xingquan Zuo

Beijing University of Posts and
Telecommunications,
PR China

E: zuoxq@bupt.edu.cn

Prof. Linqiang Pan

Huazhong University of Science and
Technology,
PR China

E: lqpanhust@gmail.com