
Editorial

Li Liu*

School of Automation and Electrical Engineering,
University of Science and Technology Beijing,
30 Xueyuan Road, Haidian District,
Beijing 100083, China
Email: liuli@ustb.edu.cn
*Correspondence author

Yaqiu Liu

Department of Information and Computer Engineering,
Northeast Forestry University,
Harbin City, 150040,
Heilongjiang Province, China
Email: yaqiuliu@126.com

Weipeng Jing

College of Information and Computer Engineering,
Northeast Forestry University,
Harbin City, 150040,
Heilongjiang Province, China
Email: weipeng.jing@outlook.com

Computational intelligence (CI) is a derivative of artificial intelligence in which the emphasis is placed on heuristic algorithms such as fuzzy systems, neural networks and evolutionary computation. Computational intelligence techniques have been successfully employed in a wide range of application areas, including decision support, generic clustering and classification, consumer electronic devices, stock market and other time-series prediction, combinatorial optimisation, medical/biomedical/bioinformatics problems, and many others. Although CI techniques are often inspired by nature or imitate nature in some way, CI applications are not restricted to solving problems from nature. Therefore, this special issue on Computational Intelligence and Applications of the *International Journal of Computer Applications in Technology (IJCAT)* provides an opportunity to share development experiences in the field of CI.

After a thorough reviewing process, we were delighted to accept 9 research papers for the special issue, with an acceptance rate of 27%. The papers mainly address challenging issues in computation offloading, triple generative adversarial nets, gas outburst prediction, indirect adaptive fuzzy control, distributed storage model, intelligent game-based learning, multi-objective optimisation, hybridised feature selection, hot-pressing accurate, and a class of nonlinear systems.

The Guest Editors would like to thank all the authors for submitting their manuscripts in this special issue. We also acknowledge the reviewers for their contributions in reviewing the papers and providing constructive comments to the authors. Finally, we would like to specially thank Prof. Quan Min Zhu (the Editor-in-Chief of *IJCAT*) for his great help and support in organising and coordinating the publication of this special issue.