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Communications in Computer and Information Science

1931

# Advanced Computational Intelligence and Intelligent Informatics


8th International Workshop, IWACIII 2023  
Beijing, China, November 3–5, 2023  
Proceedings, Part I


Part 1

 Springer

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Bin Xin · Naoyuki Kubota · Kewei Chen ·  
Fangyan Dong  
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ISSN 1865-0929 ISSN 1865-0937 (electronic)  
Communications in Computer and Information Science  
ISBN 978-981-99-7589-1 ISBN 978-981-99-7590-7 (eBook)  
<https://doi.org/10.1007/978-981-99-7590-7>

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# Preface

This volume contains the papers from the 8th International Workshop on Advanced Computational Intelligence and Intelligent Informatics (IWACIII 2023).

IWACIII is an international symposium funded in 2009 by Kaoru Hirota, a professor from the School of Automation, Beijing Institute of Technology, and is held every two years. Unremittingly, IWACIII welcomed its 8th grand event in 2023. IWACIII 2023 was jointly organized by Beijing Institute of Technology and Beijing Association of Automation, Beijing, P. R. China. It provided a forum for scientists and engineers from all over the world to present their theoretical results and techniques in the field of computational intelligence and intelligent informatics.

The topics included in this edition of the event covered the following fields connected to computational intelligence and intelligent informatics: Intelligent information processing, Pattern recognition and computer vision, Intelligent optimization and decision-making, Advanced control, Multi-agent systems, Robotics, and various applications of computational intelligence methods such as neural networks, fuzzy reasoning, evolutionary computing, machine learning, and deep learning. IWACIII 2023 received in total 118 initial submissions from China, Japan and Russia. Finally, 56 papers were accepted. All the accepted papers were peer reviewed by two qualified reviewers, in a single-blind process.

The proceedings editors wish to thank the dedicated scientific committee members and all the other reviewers for their contributions. We also thank the professional editors from Springer for their trust and for publishing the proceedings of IWACIII 2023.

November 2023

Bin Xin  
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