

Smart Innovation, Systems and Technologies

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Lakhmi C. Jain, Faculty of Engineering and Information Technology,
Centre for Artificial Intelligence, University of Technology Sydney,
Sydney, NSW, Australia

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Pei-Wei Tsai · Lakhmi C. Jain
Editors

Advances in Intelligent Information Hiding and Multimedia Signal Processing

Proceedings of the 15th International
Conference on IHH-MSP in conjunction
with the 12th International Conference
on FITAT, July 18–20, Jilin, China, Volume 2

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Editors

Jeng-Shyang Pan
College of Computer Science
and Engineering
Shandong University of Science
and Technology
Qingdao Shi, Shandong, China

Pei-Wei Tsai
Swinburne University of Technology
Hawthorn, Melbourne, Australia

Jianpo Li
Northeast Electric Power University
Chuanying Qu, Jilin, China

Lakhmi C. Jain
Centre for Artificial Intelligence
University of Technology Sydney
Sydney, NSW, Australia

Liverpool Hope University
Liverpool, UK

University of Canberra
Canberra, Australia

KES International, UK

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Preface

Welcome to the 15th International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP 2019) and the 12th International Conference on Frontiers of Information Technology, Applications and Tools (FITAT 2019) to be held in Jilin, China, on July 18–20, 2019. IIH-MSP 2019 and FITAT 2019 are technically co-sponsored by Northeast Electric Power University, Chaoyang University of Technology, Chungbuk National University, National University of Mongolia in Mongolia, Shandong University of Science and Technology, Fujian Provincial Key Lab of Big Data Mining and Applications, and National Demonstration Center for Experimental Electronic Information and Electrical Technology Education (Fujian University of Technology). Both conferences aim to bring together researchers, engineers, and policymakers to discuss the related techniques, to exchange research ideas, and to make friends.

We received a total of 276 submissions. Finally, 95 papers are accepted after the review process. The keynote speeches are kindly provided by Prof. James C. N. Yang (Dong Hwa University) on “Relationship between Polynomial-based and Code-based Secret Image Sharing and Their Pros and Cons,” Prof. Keun Ho Ryu (Chungbuk National University) on “Spectrum on Interdisciplinary Related to Databases and Bioinformatics Researches,” and Prof. Yuping Wang (Xidian University) on “A New Framework for Large Scale Global Optimization.”

We would like to thank the authors for their tremendous contributions. We would also express our sincere appreciation to the reviewers, Program Committee members, and the Local Committee members for making both conferences successful. Especially, our special thanks go to Prof. Keun Ho Ryu for the efforts and contribution from him to make IIH-MSP 2019 and FITAT 2019 possible. Finally, we would like to express special thanks to Northeast Electric Power University, Chaoyang University of Technology, Chungbuk National University, National

University of Mongolia in Mongolia, Shandong University of Science and Technology, Fujian Provincial Key Lab of Big Data Mining and Applications, and National Demonstration Center for Experimental Electronic Information and Electrical Technology Education (Fujian University of Technology) for their generous support in making IHH-MSP 2019 and FITAT 2019 possible.

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Qingdao Shi, China
Chuanying Qu, China
Hawthorn, Australia
Sydney, Australia
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Jeng-Shyang Pan
Jianpo Li
Pei-Wei Tsai
Lakhmi C. Jain

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About the Editors

Jeng-Shyang Pan received his B.S. in Electronic Engineering from National Taiwan University of Science and Technology in 1986, M.S. in Communication Engineering from National Chiao Tung University, Taiwan, in 1988, and Ph.D. in Electrical Engineering from University of Edinburgh, UK, in 1996. He is a Professor at College of Computer Science and Engineering, Shandong University of Science and Technology and Fujian University of Technology, and an Adjunct Professor at Flinders University, Australia. He joined the editorial board of the International Journal of Innovative Computing, Information and Control, LNCS Transactions on Data Hiding and Multimedia Security, Journal of Information Assurance and Security, Journal of Computers, International Journal of Digital Crime and Forensics, and the Chinese Journal of Electronics. His research interests include soft computing, information security, and big data mining. He has published more than 300 journal and 400 conference papers, 35 book chapters, and 22 books.

Jianpo Li is a Professor at School of Computer Science, Northeast Electric Power University, China. He completed his Ph.D. in Communication and Information System from Jilin University, Changchun, China, in 2008, and has more than 10 years' teaching/research experience. He has published more than 25 papers in international journals and conferences and has 12 patents.

Pei-Wei Tsai received his Ph.D. in Electronic Engineering in Taiwan in 2012. He is a lecturer and the deputy course convenor for Master of Data Science at the Department of Computer Science and Software Engineering at Swinburne University of Technology in Australia. His research interests include swarm intelligence, optimization, big data analysis, wireless sensor network, and machine learning.

Lakhmi C. Jain Ph.D., M.E., B.E. (Hons), Fellow (Engineers Australia), serves at University of Technology Sydney, Australia, University of Canberra, Australia, Liverpool Hope University, UK and KES International, UK. He founded KES International to provide the professional community with the opportunities for publication, knowledge exchange, cooperation, and teaming. Involving around 5000

researchers drawn from universities and companies worldwide, KES facilitates international cooperation and generates synergy in teaching and research. His interests focus on artificial intelligence paradigms and applications in complex systems, security, e-education, e-healthcare, unmanned air vehicles, and intelligent agents.