International Journal of Data Warehousing and Mining
Special Issue Proposal

Special Issue Proposal Form

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Title: Big Data and Media Intelligence
Guest Editors: Wencai Du, Wenqian Shang, Simon Xu
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Aims and Scope

The special issue will provide state-of-the-art research in the field of big data and media intelligence, which includes big data, artificial intelligence, semantic tagging, natural language processing, sentiment analysis and the breakthrough of these technologies for applications in media intelligence. This issue will mainly (but not limited to) concern several new developments about machine learning, deep learning, data mining, brain like calculation, swarm intelligence, semantic tagging, sentiment analysis and also creative applications in media intelligence, such as intelligent topic recognition, intelligent communication analysis, intelligent operation analysis etc.

Relevance to the Journal

As well-known, media intelligence and big data are important rising research topics of computer science. Media intelligence uses data mining and big data technique to analyze public social media contents. Therefore, the aims of this special issue aforementioned are well consistent with the requirement of this journal that covers state-of-the-art research and development in all aspects of big data and media intelligence. And the scope of this issue also belongs to this journal, focusing on methods, methodologies and applications of big data and data mining techniques used for collecting and analyzing social media data.

Main Topics

The special issue will include best papers selected from the following conferences to be held in summer, 2019, in addition to a public call:

1. 18th *IEEE/ACIS International Conference on Computer and Information Science* (ICIS 2019), June 17-19, 2019, Beijing, China
2. 20th *IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing* (SNPD 2019), July 8-10, 2019, Toyama, Japan
3. 17th *IEEE/ACIS International Conference on Software Engineering Research, Management and Applications* (SERA 2019), May 29–31, 2019, Honolulu, USA
4. 5th *International Conference on Applied Computing & Information Technology* (ACIT 2019), May 29–31, 2019, Honolulu, USA
5. 6th *International Conference on Computational Science/ Intelligence & Applied Informatics* (CSII 2019), May 29–31, 2019, Honolulu, USA
6. 4rd IEEE/ACIS *International Conference on Big Data, Cloud Computing, and Data Science* (BCD 2019), May 29–31, 2019, Honolulu, USA

The topics of these conferences are quite diverse but the guest editors will select papers in the areas of this special issue, with a special emphasis in *Big Data and Media Intelligence*, including:

- Artificial intelligence & Application
- Machine Learning
- Semantic Tagging
- Neural Network
- Data mining
- Big data technology & application
- Deep learning & application
- Sentiment Analysis
- Data news
- Machine script
- Machine writing
- Analysis of public opinion
- Social Computing
- Intelligent Robots and Application
- Natural Language Processing

Quality Control

The paper selection will follow these procedures:

1. Best papers are recommended by the conference chairs and program committee members.
2. A public call-for-papers for this special issue will also be announced to solicit additional papers.
3. The guest editors will screen the recommended papers based their quality (originality, innovation, clarity, etc.)
4. Authors will be asked to extend and revise their papers to have at least 40% new materials for journal submission.
5. Each submission will be reviewed by at least three experts in the area of the paper.
6. The guest editors will make decision for recommendations of accept/reject the papers.
7. The guest editors will forward the recommendations to the Editor-in-Chief of the journal for final decisions.
8. Authors of accepted papers will submit their final manuscript online.

Important Dates

Submission of papers:	August 20, 2019
Notification of review results:	Sept 31, 2019
Submission of revised papers:	Dec 31, 2019
Notification of acceptance:	January 31, 2020
Online submission:	February 28, 2020
Special issue:	May 2020

Short Bio of Guest Editors

Wencai Du received the B.Sc. from Peking University, China, Master Degrees from Twente University, The Netherlands and Hohai University, China, respectively, the PhD degree from South Australia University, Australia. He is a professor and

director of Macau Big Data Research Centre for Urban Governance, City University of Macau. His research interests span the areas of computer science and communication engineering. He is especially interested in the big data, service computing, and smart business. He has published more than 200 articles and twenty-five books.

Wenqian Shang is the department chair and an associate professor of School of Computer Science and Cybersecurity at Communication University of China, Beijing, China. She received her Ph.D. degree from Beijing Jiaotong University, Beijing, China. Her research interests include machine learning, data mining and natural language processing. Dr. Shang has published more than 80 articles in referred journals and conference proceedings and a few authored/co-authored books. She has also chaired workshops for over 10 years.

Simon Xu is the department chair and a professor of Computer Science at Algoma University, Canada. He received his Ph.D. degrees from Wayne State University, USA and University of Liege, Belgium. His research interests include intelligent computing, software evolution, program comprehension and cognitive process during software development. Dr. Xu has published more than 80 articles in referred journals and conference proceedings and a few authored/co-authored books. He has also chaired a few international conferences and has been invited to give talks by international conferences. Dr. Xu is a senior member of IEEE and a member of ACM.