

**The International Conference on Advanced Computational Intelligence (ICACI)
Special Session on Intelligent Data Analytics and Its Applications
Call for Papers**

Huge data can be captured from a wide range of sources such as pervasive sensor networks, internet services and social media. Every day 2.5 exabytes of data are generated [1], and it becomes an important issue to analyze these huge data. Advanced computational intelligence including data mining, cloud computing, deep learning, fuzzy theory, evolutionary algorithms, swarm intelligence, and their hybridizations, have emerged as the paradigms of choice for Intelligent Data Analytics and Its Applications. Analytics

This special session aims to solicit original papers and bring together research work on advanced computational intelligence in the area of Intelligent Data Analytics and Its Applications. We invite investigators to contribute original research articles as well as review articles on Intelligent Data Analytics and Its Applications from fundamental aspects to practical applications related to various disciplines. To investigate novel mathematical methods, applications, and future research of this field, it can benefit the mathematicians, computer scientists and engineers. Potential topics include, but are not limited to:

- Big Data and Its Application
- Data Mining and Its Application
- Cloud Computing and Its Application
- Deep Learning and Its Application
- Fuzzy Theory and Its Application
- Evolutionary Computing and Its Application
- Artificial Immune Systems and Its Application
- Fuzzy Theory and Its Application
- Swarm Intelligence and Its Application
- Hybrid Algorithm and Its Application
- Pattern Analysis
- Infrastructure for Intelligent Data Analytics
- Anomaly Detection

Prospective authors should submit their complete manuscript according to the following timetable:

Paper Submission	Nov.15, 2017
Notification of acceptance	Dec.15, 2017
Camera-ready copy and author registration	Jan. 15, 2018

Session Organizers:

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Kuo-Chung Chu received his Ph.D. degree in Information Management from the

National Taiwan University in 2005. In 1992, he joined the Computer Center, Academia Sinica, Taiwan, where he was responsible for network systems management; followed by the Faculty of Information Management Department, Jinwen University of Science and Technology, Taipei, and as the Department Chair from 2006 to 2007. Since 2007, he has been with the Department of Information Management, National Taipei University of Nursing & Health Sciences (NTUNHS), Taiwan, and had been a Director of Computer Center from 2009 to 2015. He is currently a professor in that department, and as a Dean of Health Technology College at NTUNHS. He received the Dragon Thesis Award, Gold Medal, by the Acer Foundation in 2005, and the Excellent Practical Dissertation Award, by the Industrial Development Bureau/MOEA and Chinese Society of Information Management of Taiwan in 2006, and the Excellent Paper Award, by the Operations Research Society of Taiwan in 2006. He has authored many journal and conference articles. His papers have appeared in *Annals of Telecommunications*, *Computer Methods and Programs in Biomedicine*, *Computers and Electrical Engineering*, *CIN-Computers, Informatics, and Nursing*, *Expert Systems with Applications*, *International Journal of Ad Hoc and Ubiquitous Computing*, *International Journal of Computers, Communications and Control*, *International Journal of Distributed Sensor Networks*, *Journal of Applied Mathematics*, *Journal of Internet Technology*, *Journal of Systems and Software*, *Journal of Network and Systems Management*, *Telecommunication Systems*, etc. He has also served as program committee of several international conferences/workshops, IEEE MSNDS/ASONAM, IEEE EM-RITE/IRI, IEEE NaNA, IEEE GLOBECOM. His research interests include big data analytics, computational intelligence, data mining, data visualization, decision modeling, machine/deep learning, optimization approach, simulation, and their applications on medical and healthcare informatics.

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Natsuki Sano received the bachelor of management from Tokyo University of Science in 1999, and master of management science and Ph.D. of engineering from Tsukuba University in 2001 and 2006, respectively. He is currently an associate professor of department of economics, management and information science. He has published about 50 papers in international and domestic journal and conferences. He received the best paper award of Asian Network for Quality Congress (ANQ) in 2010 and 2016. He has served as an editor of journal of Japanese Society of Quality Control (JSQC) and a member of technical committee on Information Systems for Design and Marketing in IEEE Systems Man and Cybernetics. His current research interests include statistics, data mining, marketing and quality control.

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Zne-Jung Lee received the B.E. degree in electronic engineering, the M.E. degree in automatic control engineering from Feng-Chia University (FCU), Taichung, Taiwan, in 1986 and 1988, respectively, and the Ph.D. degree in electrical engineering from National Taiwan University of Science and Technology (NTUST), Taipei, Taiwan, in 2002. He is a professor with the department of information management now. He has

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[1] "IBM What is big data? – Bringing big data to the enterprise". www.ibm.com. Retrieved 2013-08-26.