

Title:

Artificial Intelligence and Its Applications

Abstract:

With the emergence of big data and advancing of computing services, artificial intelligence (AI) has attracted increasing attention around the world. The role of AI is becoming more important with our daily life, such as machine learning, pattern recognition, computer vision, data mining, human-machine interface, information retrieval and natural language processing, etc. To this end, increasing number of researchers and engineers are already or are to be involved the AI field. Therefore, the topic of AI and its applications is an interesting workshop title to be associated with the ICCCS 2018.

Scope and Topics:

- ✧ Machine learning
- ✧ Pattern recognition
- ✧ Computer vision
- ✧ Data mining
- ✧ Natural language processing
- ✧ Information retrieval
- ✧ Social network exploration
- ✧ Human-machine interface
- ✧ Artificial intelligence in medicine
- ✧ Modeling and optimization
- ✧ Pervasive computing
- ✧ Biometrics
- ✧ Computer graphics
- ✧ Artificial intelligence in Cloud computing
- ✧ Artificial intelligence and Internet-of-Things

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Prof. Yanchun Zhang is the Director of the Centre for Applied Informatics (CAI). He is an international research leader in databases, data mining, health informatics, web information systems, and web services. He has published over 300 research papers in international journals and conferences proceedings, and authored/edited 12 books. He is the Editor-In-Chief of World Wide Web journal (Springer), and Health Information Science and Systems (BioMed Central). He is Chairman of the International Web

Information Systems Engineering Society (WISE Society). He was a member of ARC College of Experts from 2008 to 2010. He received the National "Thousand Talent Program" Award from China in 2010.

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Farookh Khadeer Hussain is an Associate Professor at the School of Software and the Centre for Artificial Intelligence (CAI) of the University of Technology Sydney (UTS). He is also the Head of Discipline (Software Engineering) in the School of Software. Within CAI, he formed and provides leadership to the Cloud Computing group. His key research interests are in Cloud-of-Things, Cloud Computing, Internet-of-Things, and Cloud-driven Data Analytics. He has procured external funding worth more than \$ 2.5 million for various projects. His research has been funded by the prestigious Australian Research Council (ARC) and by other Australian government agencies such as the Department of Industry, Innovation and Science etc. He has successfully co/supervised more than 10 PhD students to completion. Currently, he is supervising around 6 PhD students. He has published widely in top journals such as IEEE Transactions on Industrial Informatics, IEEE Transactions on Industrial Electronics, The Computer Journal, Journal of Computer and System Sciences, Journal of Network and Computer Applications, Future Generations of Computer Systems, Knowledge Based Systems. His H-index is 26, i-10 index is 75 and his research has received more than 3050 citations.

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Dr. Qing Tian is currently an assistant professor at Nanjing University of Information Science and Technology. He obtained his Ph.D. degree from Nanjing University of Aeronautics and Astronautics, in 2016. He is the first recipient of the ICPR'16 Best Scientific Paper Award, the National scholarship for Ph.D. students, and the Jiangsu Province outstanding Ph.D. thesis award, etc. He is a program committee member of the 26th International Joint Conference on Artificial Intelligence (IJCAI'17), a communication member of the Professional Committee of Artificial Intelligence and Pattern Recognition of China Computer Federation (CCF), a communication member of the Professional Committee of Machine Learning of Chinese Association for Artificial Intelligence (CAAI), and a member of the Professional Committee of Artificial Intelligence, Jiangsu Computer Federation of China. Besides, he serves as a reviewer for renowned international journals or conferences, such as Neural Networks, Pattern Recognition Letters, Neural Processing Letters, International Journal of Machine Learning and Cybernetics, AAI, ICDM, etc. His research interests include machine learning and pattern recognition.

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