



Title:

Computational Intelligence and Applications

Abstract:

The workshop on Computational Intelligence and Applications serves as a highly selective and premier international forum for researchers, engineers and scientists from all communities (academia, industry, standards organizations) to present their latest research findings, novel ideas, and valuable comments in computational intelligence and related applications. The organizing committee is excited to invite you to take part in this workshop. This workshop will be held with the sixth International Conference on Artificial Intelligence and Security (ICAIS 2020), formerly called International Conference on Cloud Computing and Security (ICCCS), which will be held in Summer, 2020 at Hohhot, China.

Computational Intelligence (CI) is a subfield of Artificial Intelligence (AI). CI is the intelligence of a machine that could perform any intellectual task that a human being can. It contains a set of nature-inspired computational methodologies and approaches to address complex real-world problems, and has strong correlations with different subfields of AI. This workshop promotes and stimulates research in any subfield of CI. Research on Soft Computing, Machine Learning, Data Mining, Knowledge Engineering, Intelligent Systems, Fuzzy Logic, Evolutionary Computation, Learning Theory and Applications, Probabilistic Modelling, Computational Biology and Bioinformatics, Medical Informatics, Information Forensics and Security, Affective Computing, Image Processing, Natural Language Processing, Crowdsourcing, and so on, are very welcome, including experimental and theoretical research, as well as surveys and impact studies.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Soft Computing
- ✧ Machine Learning
- ✧ Data Mining, Text Mining
- ✧ Knowledge Engineering
- ✧ Intelligent Systems
- ✧ Fuzzy Logic
- ✧ Evolutionary Computation
- ✧ Learning Theory and Applications
- ✧ Probabilistic Modelling
- ✧ Computational Biology and Bioinformatics
- ✧ Medical Informatics
- ✧ Information Forensics and Security



- ✧ Affective Computing
- ✧ Image Processing
- ✧ Natural Language Processing
- ✧ Crowdsourcing

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Victor S. Sheng received the master's degree in computer science from the University of New Brunswick, Canada, in 2003 and the PhD degree in computer science from Western University, Ontario, Canada, in 2007. He is an associate professor of computer science with Texas Tech University, and the founding director of Data Analytics Lab (DAL). His research interests include data mining, machine learning, and related applications. He was an associate research scientist and NSERC postdoctoral fellow in information systems in the Stern Business School, New York University. He is a PC member for many international conferences and a reviewer for many international journals. He is a senior member of the IEEE and a life-time member of the ACM.

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