The 15th International Conference on Genetic and Evolutionary Computing (ICGEC-2023)
October 06-08, 2023, Kaohsiung, Taiwan (Hybrid)

Call for Papers
ICGEC-2023-IS03

Invited Session on Intelligence Computing and Big Data Applications

Organizers: Prof. Fuquan Zhang

In recent years, "Intelligence Computing" and "Big Data Applications" has become a hot ubiquitous term. In various fields, many new big data analysis methods have popped up, such as Deep Learning, GANs, Transfer Learning, Transfer Learning, E-learning, Recommender System, Reinforcement Learning, Cloud Computing，Creative Computing etc. These methods have great research significance in the field of intelligent computing. This special session will discuss recent advances in the intelligence computing and big data domain. We invite submissions on a wide range of research topics, spanning both theoretical and systems research. The scope of this session is not limited to the vision of intelligent computing and the big data analysis, but also to encourage different ways of research, it should be emphasized that a broad range of submissions are encouraged.

Topics of interest include but are not limited to the following:

1. Multimodal image generation: using deep learning techniques to generate different types of images, such as text-based image generation and image-to-image translation
2. Multimodal speech recognition: joint recognition of speech and lip movements from video to improve speech recognition accuracy
3. Multimodal sentiment analysis: joint analysis of text, images, and audio to better understand users' emotions
4. Computational art: Using computer technology to create art, such as computational music, computational painting, and computational sculpture. Computational art: Using computer technology to create art, such as computational music, computational painting, and computational sculpture.
5. Computational design: Using computer technology for product design, space design, interaction design, etc., such as CAD, virtual reality, and augmented reality.
6. Big data fusion ： integrating large amounts of data from different sources and formats for more comprehensive and accurate analysis.
7. Big data visualization：: combining various visualization techniques, such as images, videos, and maps, to analyze multimodal big data for improved data understanding.

Submissions:

Papers are invited from prospective authors with interests in this particular invited session and related areas of application. All contributions should be original and not published elsewhere or intended to be published during the review period. For further information, please contact the session organizers given below.

Important Dates:

Paper submission deadline: **July 15, 2023**
Acceptance notification: **August 15, 2023**
Camera-ready copy and registration: **September 1, 2023**

For more information please contact:

Prof. Fuquan Zhang
College of Computer and Control Engineering
Minjiang University, China
Email: 8528750@qq.com