**Special Session on Intelligent Computing in Cyber-Physical Social Systems (CyberIC)**

As an emerging paradigm, Cyber-Physical-Social Systems (CPSS) integrating the cyber world, physical world and social world, has triggered enormous attention and research activities. The emergence of Cyber-Physical-Social Systems and its potential to provide services for humans is propelled by the availability of significant advances of computing technologies such as the intelligent computing.

Intelligent computing is a kind of method that uses the inspiration of the natural world's biological law to imitate the design solution based on its principle. The combination of computing and communication has created a new world of intelligent computing. For example, the incorporation of Computer Vision methods into Intelligent Traffic Control systems enhances efficiency, convenience, safety and livability in Smart Cities.

This is a special session of the 6th IEEE Cyber Science and Technology Congress. The session aims to collect the latest original contributions in intelligent computing and its applications in Cyber-Physical-Social Systems (CPSS), and offer new ideas, experiences and discussions by experts in this field. We encourage the submission of papers with new theory, analysis, methods, and applications.

Please submit your paper via the submission site at: http://cyber-science.org/2021/cyberscitech/papersubmissions/, and select the special session of “Intelligent Computing in Cyber-Physical-Social Systems” marked with “CyberIC”.

Accepted papers will be published by IEEE (IEEE-DL and EI indexed). Selected papers, after further extensions and revisions, will be recommended to journal special issues. More details at the conference website: http://cyber-science.org/2021/.

**Topics include but are not limited to:**

Evolutionary Computing and Learning

Genetic Algorithms

Particle Swarm Optimization and Niche Technology

Swarm Intelligence and Optimization

Independent Component Analysis

Compressed Sensing and Sparse Coding

Biometrics Recognition

Machine Learning

Intelligent Data Fusion

Intelligent Data Analysis and Prediction

Intelligent Agent and Web Applications

Intelligent Control and Automation

Intelligent Image/Document Retrievals

Intelligent Computing in Smart Cities

Intelligent Computing in Robotics

Intelligent Computing in Finance/Banking

Intelligent Computing in Communication Networks

Intelligent Computing in e-learning

Intelligent Computing in Language Processing

Intelligent Computing in Manufacturing Systems

Intelligent Computing in Electronic Healthcare Systems Organizing

**Chairs:**

Qingguo Zhou, Lanzhou University, China, [zhouqg@lzu.edu.cn](mailto:zhouqg@lzu.edu.cn)

Chunhua Chen, South China University of Technology, China, [chunhuachen@scut.edu.cn](mailto:chunhuachen@scut.edu.cn)

**Committee:**

Xin Wang. Fudan University, China, [xinw@fudan.edu.cn](mailto:xinw@fudan.edu.cn)

Ning Liu. Sun Yat-Sen University, China, [liuning2@mail.sysu.edu.cn](mailto:liuning2@mail.sysu.edu.cn)

Zhongdong Wu. Lanzhou Jiaotong University, China, wuzhd@ [lzjtu.edu.cn](http://www.lzjtu.edu.cn/)

Guanghui Yan. Lanzhou Jiaotong University, China,648979805@qq.com

Qixun Zhang, Peiking University, China, [zhangqx@ss.pku.edu.cn](mailto:zhangqx@ss.pku.edu.cn)

Jianfeng Yang. Wuhan University, China, [yjf@whu.edu.cn](mailto:yjf@whu.edu.cn)

Lingxiang Zheng. Xiamen University, China, [lxzheng@xmu.edu.cn](mailto:lxzheng@xmu.edu.cn)

Zhi-Hui Zhan. South China University of Technology, China, [cszhanzhh@scut.edu.cn](mailto:cszhanzhh@scut.edu.cn)

Important Dates Paper Submission Due: July 05, 2021

Acceptance Notification Due: August 05, 2021

Final Manuscript Due: September 01, 2021