

## 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 5th 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: <https://edas.info/index.php?c=25734>, 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/2020/>.

### Topics include but are not limited to:

Evolutionary Computing and Learning	Intelligent Control and Automation
Genetic Algorithms	Intelligent Image/Document Retrievals
Particle Swarm Optimization and Niche Technology	Intelligent Computing in Smart Cities
Swarm Intelligence and Optimization	Intelligent Computing in Robotics
Independent Component Analysis	Intelligent Computing in Finance/Banking
Compressed Sensing and Sparse Coding	Intelligent Computing in Communication Networks
Biometrics Recognition	Intelligent Computing in e-learning
Machine Learning	Intelligent Computing in Language Processing
Intelligent Data Fusion	Intelligent Computing in Manufacturing Systems
Intelligent Data Analysis and Prediction	Intelligent Computing in Electronic Healthcare
Intelligent Agent and Web Applications	Systems Organizing

### Chairs:

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### Committee:

Xin Wang, Fudan University, China

Ning Liu, Sun Yat-Sen University, China

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Qixun Zhang, Peiking University, China

Jianfeng Yang, Wuhan University, China

Lingxiang Zheng, Xiamen University, China

Zhi-Hui Zhan, South China University of Technology, China

### Important Dates

Paper Submission Due: March 3, 2020

Acceptance Notification Due: April 13 2020

Final Manuscript Due: May 7, 2020