

## **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 4rd 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/2019/>.

### **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

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**Important Dates**

Paper Submission Due: **April 20, 2019**

Acceptance Notification Due: **May 25, 2019**

Final Manuscript Due: **June 20, 2019**