Special Session on Embracing Hybrid Service Paradigm in Human-Machine Interaction Oriented Cyber Spaces (CyberHSP)

As an upcoming trending of service supplying, hybrid service paradigm (including public, private, and mixed cloud services) is becoming more and more popular, and then further forming such a complex and incomprehensible cyber space, which involves many subjects and objects, including numerous participants and their diverse requirements, emerging heterogeneous networking technologies, and huge data and resources. As far as cyber space is concerned, it can be regarded as a closed loop space involving people, computers, communication tunnels, other human-computer interfaces, and so on, that is another saying that, cyber space is centering human-machine interactions. Therefore there are many sciences and technologies to be involved for weaving such a hybrid service supplying paradigm, including networking, intelligence, security & privacy, trust mining and management, resource planning, and other management and control measures and strategies for a robust and harmonious cyber space.

Human-Machine Interaction is in nature the main target of our hybrid service supplying, which terminally forms a more and more complex huge system. All users' requirements and applications should be satisfied in a comprehensive view to ensure the accurate and efficient human-machine interactions.

This special session aims to collect the latest original contributions in robust and dependable hybrid service weaving and controlling sciences and technologies in the human-machine interaction oriented cyber space, 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.

We encourage the submission of papers with new theory, analysis, methods and applications. This is a special session of the 4th IEEE Cyber Science and Technology Congress (CyberSciTech) (http://cyber-science.org/2019/). Please submit your paper via the submission site: https://edas.info/index.php?c=25734, and select the special session of "Embracing Hybrid Service Paradigm in Human-Machine Interaction Oriented Cyber Spaces" marked with "CyberHSP".

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:

Service Computing (Weaving, Composition and Selecting) and Optimization
Business Process Management
Crowd Sourcing and Intelligence

Interaction Patterns and Technologies
Edge Cloud Computing in Human-machine Interaction
Fog Computing
Information Hiding and Forensic
Computer Vision
Information Retrieval
Social Network and Big Data Mining
Natural Language Processing
Cryptographic Algorithm and Protocols
Resource Planning and Management
Communication and Networking in Human-machine Interaction
Service Intelligence and Optimization
Security & Privacy and Trust in Cyber Space
Trust Mining and Management
AI and Trust
Machine Learning in Service Supplying
Intelligent Computing in Cyber Space
Multimedia Information Security
Dependable and Robust Agent and Web Applications

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Important Dates:

Paper Submission Due: April 20, 2019
Acceptance Notification Due: May 25, 2019
Final Manuscript Due: June 20, 2019