“Special Issue on Smart Computing and Cyber Technology for Cyberization”

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The World Wide Web Journal invites submissions for a special issue on “Smart Computing and Cyber Technology for Cyberization.”

SCOPE:

Following the well-known concepts of computerization and informatization, an emerging era of cyberization, which is considered as a reformation of the present physical, social and mental worlds, has become a hotly discussed trend in the new cyber world. During the cyberization process, a large number of real things will conjugatively map to various kinds and levels of cyber existence in cyber world. It is said that cyberization has already taken place in a variety of fields along with the development of several emerging computing paradigms and information communication technologies, such as ubiquitous/pervasive computing, social computing and networking, and wearable technologies, etc. Specifically, with the rapid growth of Internet of Things and cognitive cyber-physical systems, more and more digital things or cyber entities, are engaged or generated in the integrated cyber world. Emerging technologies in smart environments, such as smart computing and smart objects, become very significant, promising, and enabling issues in cyberization, to enhance the efficiency of sensing, processing, and communication in the conjugations of physical, social and mental worlds. Accordingly, the cyber technology is playing an important role in developing effective methods of resource management, data acquisition, and pattern recognition across cyber-related systems and applications. All these provide us opportunities to explore smart computing methodologies and computational intelligence algorithms, in order to facilitate the cyberization process in cyber world.

This special issue on Smart Computing and Cyber Technology for Cyberization aims at bringing together researchers and engineers from both academia and industry to present physical concepts, calculation methods, application possibilities, and new opportunities with respect to the development of cyber-related information and communication technologies. In particular, this special issue will have a great significance and profound impact on: i) providing various opportunities in

PAPER SUBMISSION:

- Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.
- All papers will be reviewed following standard reviewing procedures for the Journal.
- Papers must be prepared in accordance with the Journal guidelines: [http://www.springer.com/11280](http://www.springer.com/11280)
- Submit manuscripts to: [http://WWWJ.edmgr.com](http://WWWJ.edmgr.com). Choose “Smart Computing and Cyber Technology for Cyberization” as the article type.
studying cyber and cyber-conjugated things which are necessary for the cyber-enabled new worlds; ii) organizing the body of knowledge in cyber-related studies and applications with comprehensive frameworks in inter-, trans- and multi-discipline fields; iii) enhancing numerous cyber technologies not only in fundamental research works, but also in application system development; and iv) offering a common platform for researchers to gather many existing cyber-related research areas together, to identify and form promising new frontiers.

Topics may include (but are not limited to):

- Knowledge Modeling and Management for Cyberization
- Data Acquisition and Information Fusion in Smart Environments
- Information Sharing and Dissemination in Smart Computing
- Smart Cyber-Physical Systems
- Smart Control and Monitoring for Cyberization
- Cognitive Physical-Social Networks
- Content Analysis and Mining in Cyber-Social Networks
- Behavioral Analytics across Smart Networks
- Deep Learning in Cyberization
- Cyber-Physical Hybrid System Design
- Resource Management in heterogeneous Networks
- Intelligent Transportation Systems Using Smart Networks
- Smart Internet of Things
- Cyber-Physical-Social Data Processing and Intelligence Mining
- Modeling of Biological Neural Networks in Physical-Social Space
- Smart Data Streaming and Real-Time Processing
- Smart Object-Oriented Analytics
- Smart Sensors and Ad-Hoc Wireless Networks
- Data Storage and Integration in Cyberspace
- Distributed Computing and Parallel Processing in Cyberization
- Semantic Web Mining in Smart Computing
- Infrastructure and Platform for Intelligent Network Systems
- Dynamics in Cyber-Social Networks
- Wearable Technologies in Smart Environments
- Smart Cyber-Physical Healthcare Services
- Mobile Computing with Smart Sensors
- Smart Energy Management and Sustainability
- Privacy and Security in Smart Computing

This special issue will publish as a topical collection, linking all papers to the virtual online issue immediately via article links and an identifying tag.

IMPORTANT DATES:

- **Paper Submission**: December 15, 2018
- **First Round of Reviews**: March 15, 2019
- **Submission of Revision**: May 15, 2019
- **Second Round of Reviews**: July 15, 2019
- **Decision of Acceptance**: August 15, 2019
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Transactions on Computers, Transactions on Service Computing, Sensors; and Elsevier PMC, FGCS and JNCA. He is currently an editorial member for the Journal of Ambient Intelligence and Smart Environments.

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