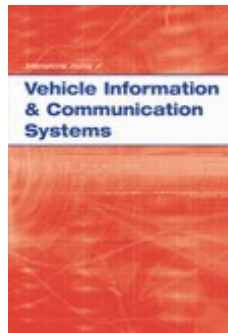


### Call for Papers



### International Journal of Vehicle Information and Communication Systems

### Special Issue on: "Sensor Technologies and Intelligent data analysis for AIoT"

#### *Guest Editors:*

Prof. Chih-Yung Chang, Tamkang University, Taiwan

Prof. Wen-Hwa Liao, Tatung University, Taiwan

Prof. Prasan Kumar Sahoo, Chang Gung University, Taiwan

The Artificial Intelligence of Things (AIoT) combines technologies of artificial intelligence (AI) and Internet of Things (IoT) to integrate adaptive sensing, efficient communication as well as intelligent analytics. The multimodal data collected from Internet of Things can be processed by Artificial Intelligence technologies to explore useful information and improve decision making process. Further, Artificial Intelligence can be embedded into all components of Internet of Things, such as sensors, chipsets, systems and platforms, making objects to be more smart for building smart environment and supporting intelligent services. As AIoT is still relatively a new concept, many possibilities exist to improve technologies and solve existing application problems.

The aim of this Special Issue is to bring together cutting-edge research, current trends, and developments of innovative topologies and algorithms for Artificial Intelligence of Things, along with applications relevant to the IoT.

#### **Subject Coverage**

Suitable topics include, but are not limited, to the following:

- IoT Applications of Homecare and Childcare
- IoT Applications of Smart Parking
- IoT Applications of Wearable Devices
- IoT Applications of Intelligent Transportations
- IoT Applications of Autonomous Vehicles
- IoT Applications of Localization
- Architectures and Platforms for IoT
- Sensing Technologies for IoT
- Communication Technologies for IoT
- Middleware Technologies for IoT
- Security Technologies for IoTs
- Applications and Services for AIoTs
- Architecture, System and Algorithm Designs for AIoTs
- Artificial Intelligence in Modeling and Simulation
- Data Mining, Recommendation and Predictions Techniques
- Machine Learning
- Modeling and Identification
- Natural Language Processing
- Robotics and Related Fields
- Neural Network Theory and Architectures
- Supervised and Unsupervised Learning

### **Notes for Prospective Authors**

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

**All papers *must* be submitted online.** To submit a paper, please read our [Submitting articles](#) page.

### **Important Dates**

Manuscripts due by: *1 October, 2019*

Notification to authors: *1 December, 2019*

Final versions due by: *1 February, 2020*