

# Journal of Ambient Intelligence and Smart Environments

## Special issue on Artificial Intelligence for IoT Systems

### Overview

In the last a few years, computing for smart environments, such as smart cities, smart homes, smart transportation, etc. has become a major trend in computing. The emergence of new techniques and applications of intelligent sensor-based processing has largely benefited the modern intelligent smart systems. Moreover, cognitive learning and brain inspired computing and other advanced artificial intelligence techniques that have been successfully employed in various areas of robotics, knowledge discovery, big data and other ICT domains, can accomplish impressive results in in-demand fields of computing such as smart environments, internet of things, etc.

### Scope and Topics

The aim of Artificial Intelligence for IoT Systems (AITS) special issue is to bring together academics and industrial practitioners to exchange and discuss the latest innovations and applications of artificial intelligence (AI) in the domain of IoT based Smart Systems (SS). In the past few decades, automated and intelligent Smart Systems have emerged, opening new research directions that are still evolving due to new challenges and technological advances in the field.

The papers to be published in the proposed special issue in your journal would be appropriate for experts in the relevant fields, but also appealing to wider academic audiences. In view of the publication venue, all papers will contain some relation to issues of machine learning and artificial intelligence.

The scope of this special issue is the application of learning and intelligent techniques and algorithms to design and solve existing problems of IoT based smart systems. These techniques might include, but not limited to:

- Cognitive learning for IoT systems
- Statistical learning for IoT systems
- Deep learning for IoT systems
- Reinforced learning for IoT systems
- Fuzzy logic for IoT systems
- Decision Trees for IoT systems
- Artificial Neural Networks for IoT systems
- Ontology based IoT systems
- Multimedia learning for IoT systems
- Machine learning for Industrial IoT systems
- Machine learning for Blockchain IoT systems

## Submission Guidelines

Manuscripts should not exceed 20 double-spaced pages for initial submission. Papers only prepared according to the journal's guidelines for authors and submitted online (see procedure described below) will be included in the review process.

All the papers must be submitted online at journal's main submission system. Only papers submitted at this address and code will be considered for processing. Any questions regarding this special issue should be sent to the main guest editor at [imran.sarwar@iub.edu.pk](mailto:imran.sarwar@iub.edu.pk).

Each paper will be subjected to blind review process by at least 3 reviewers.

## Important Deadlines

Submission deadline: 15 August 2019

First notification of Acceptance/Rejection: 25 October 2019

Revised manuscripts Submission Deadline: 15 November 2019

Final notification of Acceptance: 20 December 2019

Expected publication date: Jan/Feb 2020

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