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Special Issue on

Ambient Advancements in Intelligent Computational Sciences

(A²ICS-2017)

For

**Journal of Intelligent & Fuzzy Systems- Applications in
Engineering and Technology**

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Preamble: The field of computational sciences always deals with finding the innovative solutions of problems by proposing different techniques, methods and tools. Generally innovation refers to find new ways of doing usual things or doing new things in different manner but due to increasingly growing technological advances with speedy pace, *Smart Innovations* are needed. Nowadays, there is massive need to develop new *'intelligent' 'ideas, methods, techniques, devices, tools'* in the field of Computational Sciences. The Special Issue on “Ambient Advancements in Intelligent Computational Sciences (A²ICS-2017)” focuses on latest research results and exchange views on the future research directions in the field of computational sciences.

This Special Issue covers those intelligent systems, paradigms, techniques, technical reviews that employ knowledge and Intelligence in a broad spectrum. Keeping this ideology in mind, following are the topics covered in this special issue (But not limited to):

SMART COMPUTING TECHNOLOGIES

- Artificial Intelligence
- Pattern recognition
- Image Processing and analysis
- Computer Graphics
- Virtual Reality
- Document Image Processing
- Data Mining and warehousing
- Distributed Computing
- Signal Processing
- Software Architecture
- Soft Computing
- Bioinformatics
- Evolutionary Algorithms
- Software Engineering
- Ubiquitous Computing
- Web mining
- Perceptual Computing and related topics

INTELLIGENT COMMUNICATIONS & NETWORKING

- Network Performance Analysis
- Fault Tolerant Systems
- Parallel and Distributed Networks
- Optical Communication
- Routing Protocol and Architecture
- Satellite Communication
- Grid and Cluster Computing
- Wireless Sensor Networks
- Mobile Ad-hoc Networks
- Quality of service
- Channel measurements and modeling
- Coding and modulation techniques
- Next-generation Networks
- Secure communications
- Embedded Systems and related topics

INTELLIGENT COMPUTATIONAL SCIENCES

- Intelligent and Bio-inspired Computing
- Distributed and Parallel Computing
- Multi-core and GPU Computing
- High Performance Computing
- Database and Data Mining
- Clusters and Grid Computing
- P2P and Cloud Computing
- Mobile Computing
- Embedded and Ubiquitous Computing
- Advanced Networking and Applications

Submission Instructions for Perspective Authors:

Authors are invited to submit their papers electronically in pdf format, through EasyChair link at: <https://easychair.org/conferences/?conf=a2ics2017>. These submissions will be peer reviewed and only high quality submissions will be selected for journal publication. All the submissions must be formatted using the journal of intelligent and Fuzzy Systems style (see <http://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/>) and must have a maximum length of 12 pages.

Authors should submit their original work that must not be submitted or currently under consideration for publication anywhere.

For publishing fee, format related, and any other queries, please feel free to ask us at: a2ics2018@gmail.com

Important Dates:

Submission deadline: 30th November, 2017

Acceptance/Rejection notifications: 15th January, 2018

Registration/Final papers due: 10th February, 2018

Guest Editors:

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