CFP TEMPLATE

******************** CALL FOR PAPERS ********************

SUBMISSION DUE DATE: [**Dec 15, 2018**]

SPECIAL SESSION ON [**Advances in Computational Intelligence for IoT Applications**]
[**INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION (ICICC-2019)**]

Session Chairs:
[**Dr. Ahmed A. Elngar, Assistant Professor, Faculty of Computers and Information, Beni-Suef University, Beni Suef , Egypt, elngar_7@yahoo.co.uk, +201007400752**]
[**Dr. Mohamed Elhoseny, Assistant Professor, Faculty of Computers and Information, Mansoura University, Mansoura , Egypt,** www.mohamedelhoseny.com**, +19405949875**]

INTRODUCTION:

Computational Intelligence (CI) is one of the powerful tools for intelligent and complex applications. Dependently, IoT gained a greet attention recently as one of the CI applications in intelligent communication fields and their applications such as healthcare, smart home, smart energy, industry, communications, agriculture, business and etc. As a result, the applications of IoT as new technologies are facing many challenges related to the architecture, standard, analytics and security. Due to the increase in Internet of Things (IoT) application size, complexity, and the number of components, it is no longer practical to anticipate and secure all possible interactions and data processing in these applications using the traditional information security models. Currently, most of the researchers and many organizations which are interested in IoT and intelligent applications concentrate on the development of CI techniques to present many IoT applications. CI can be trained to look at images, identify abnormalities and point to areas that need attention in IoT-based applications, thus improving the accuracy of solutions for IoT challenges. Therefore, CI can be the best option to improve efficiency, reliability and accuracy. This special session aims to collect the recent work and the state-of-the art related to IoT applications' challenges and their proposed Computational Intelligence techniques. It also, act as an international forum of worldwide researchers and engineers from industries and academia to exchange their latest innovative ideas and findings.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- Computational Intelligence in IoT-based medical diagnosis systems and remote detection.
- IoT-based automated transportation using CI.
- Computational Intelligence in IoT-based secure of digital documents circulation.
- Big data and data management for IoT applications using CI.
- Information Retrieval and Visual Analytics for IoT-based applications.
- Computational Intelligence in applications that serve the educational process based IoT.
- Discovery, recommendation and selection using CI for IoT computing.
- Computational Intelligence in Security and privacy protection for IoT applications.

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on [**Advances in Computational Intelligence for Internet of Things Applications**] *on or before* [**Dec 15, 2018**]. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Advances in Computational Intelligence for Internet of Things Applications**] at the top (above paper title) of the first page of your paper.

All inquires should be should be directed to the attention of:

[**Dr. Ahmed A. Elngar**]
Session Chair
[**Advances in Computational Intelligence for Internet of Things Applications**]
E-mail: [**elngar_7@yahoo.co.uk**]

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