

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

SUBMISSION DUE DATE: [30-11-2018]

SPECIAL SESSION ON [**Computational Intelligence for Technology and Services Computing**]

[INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION (ICICC-2019)]

Guest Editor:

1. **Prabhat Kumar,**
National Institute of Technology Patna, India.
Email: prabhat@nitp.ac.in
2. **Kavita Sharma,**
National Institute of Technology, Kurukshetra, India.
Email: kavitasharma_06@yahoo.co.in

INTRODUCTION:

Computational Intelligence (CI) is a branch of artificial intelligence in that the importance is placed on heuristic algorithms such as fuzzy systems, neural networks and evolutionary computation. It is usually contrasted with 'traditional', 'symbolic' or 'good old fashioned artificial intelligence'. The IEEE Computational Intelligence Society uses the tag-line 'Mimicking Nature for Problem Solving' to describe Computational Intelligence, although mimicking nature is not a necessary element.

In addition to the three main pillars of CI (fuzzy systems, neural networks and evolutionary computation), Computational Intelligence also encompasses elements of learning, adaptation, heuristic and meta-heuristic optimization, as well as any hybrid methods which use a combination of one or more of these techniques. More recently, emerging areas such as artificial immune systems, swarm intelligence, chaotic systems, and others, have been added to the range of Computational Intelligence techniques. The term 'Soft Computing' is sometimes used almost interchangeably with Computational Intelligence.

Computational Intelligence techniques have been successfully employed in a wide range of application areas, including decision support, generic clustering and classification, consumer electronic devices, stock market and other time-series prediction, combinatorial optimization, medical, biomedical and bioinformatics problems, and many, many others. Although CI techniques are often inspired by nature, or mimic nature in some way, CI applications are not restricted to solving problems from nature.

RECOMMENDED TOPICS:

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

- Computational intelligence solutions and recommendation in recommender systems
- Computational intelligence in mobile-cloud based computing for social network recommendation services
- Fuzzy system theory and recommender systems

- Social data analytical approaches using computational methods
- Deep learning and machine learning algorithms for efficient indexing and retrieval
- Intelligent techniques for smart surveillance and security
- Modeling, data mining, and public opinion analysis based on social big data
- Evolutionary algorithms for data analysis and recommendations
- Crowd intelligence and computing paradigms for sentimental analysis and recommendation
- Applied soft computing for content security, vulnerability and forensics
- Computational intelligence in multimedia computing and context-aware recommendation
- Crowd intelligence-assisted ubiquitous, personal, and mobile social media applications
- Artificial intelligence and pattern recognition technologies for recommendation in healthcare
- Deep learning and computational intelligence based medical data analysis for recommendation and smart healthcare services
- Prediction of renewable energy generation using machine learning and neuro-fuzzy systems.
- Optimization of power quality, protection and reliability analysis of power system.
- Computer vision and image processing
- Automatic modeling and programming for IoT
- Security and Privacy Intelligence

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Computational Intelligence for Technology and Services Computing**. 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.

All the accepted papers (after double blinded peer review) will be published in a Springer series and further extended accepted papers will be published in the special issues of SCI/SCOPUS/WoS/DBLP/ACM/EI indexed Journals.

NOTE: While submitting paper in this special session, please specify **“Computational Intelligence for Technology and Services Computing”** at the top (above paper title) of the first page of your paper.

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

Prabhat Kumar, Kavita Sharma

Guest Editor

Computational Intelligence for Technology and Services Computing

E-mail: prabhat@nitp.ac.in, kavitasharma_06@yahoo.co.in

* * * * *