9th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2021) June 25 - 26, 2021

National Institute of Technology Mizoram, India

CALL FOR PAPERS

Special Session on "Data Analytics using Fuzzy Logic & Meta-heuristics for Improved Computational Systems (DAFLMCS)"

Session Chair(s):

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Theme of Session:

The main aim of this special session is to publish high quality research papers which will give comprehensive advancements of the ongoing research applications in medical, engineering, and other sectors. Nowadays it is common to see the problems with data which have velocity, veracity, volume and variety. The idea is to extract useful information from this Data. The field of science that deals with the analysis of big information is called data science/data analytics. These terms have a high synergy between them. The inability to analyse this information forms an *Analysis Gap*. The need of the hour is to fill this *gap* and provide a platform to solve problems for unseen scenarios. In Data Analytics, the large data sets have different formats, types, variables, estimations, knowledge, subjectivity. In handling such data there is a dire need to approximate and estimate the expert knowledge with the data using various tools and techniques based on fuzzy logic, meta heuristic and improved computational systems. The idea and motivation is to model the solutions with simple, flexible and effective solutions which can be solved by metaheuristics, fuzzy logic and computational intelligence. They help in addressing complex problems in the light of optimized solutions. These methods are able to deal with vagueness, uncertainty and imprecision which usually occurs in human reasoning. The theme will address concepts and methods related to the applications of fuzzy logic, Type-2 Fuzzy Logic in varied fields of Data Analysis. These methodologies can be applied to the domain of complex engineering problems and pattern recognition problems.

The purpose of this special issue is to create a platform for computational information exchange highlighting the issues, challenges and current research in the prospective areas.

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Topics of Interest:

We invite original (un-published) research contributions based on the above-mentioned theme including following topics **but not limited to**:

Fuzzy Logic,	Crowdsourcing
Fuzzy Communications	Computational Intelligence Techniques,
Neuro-Fuzzy Approaches,	Genetic-Fuzzy Approaches,
Hybrid Computing,	Meta Heuristics,
Bio-inspired Computing,	Evolutionary Computing,
Data Science,	Big Data,
Natural Language Processing,	Word Sense Disambiguation,
Part of Speech tagging,	Automatic Question Answering,
Text Mining,	Information Retrieval,
Query Expansion,	Keyword Extraction
Topic Modelling,	Data Classification
Social Network Analysis,	Recommender System

Paper Submission Process:

Please submit your paper (in word/pdf format) at
email: research.publication.cse@gmail.com / access.2287@gmail.com
with 'Name of Special Session: ' mentioned in the subject line.

Program Committee: Name(s), Affiliation(s)

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