Special Session on
Bio-inspired techniques for Post Covid-19 Pandemic for industry 5.0
at
International Conference on Innovations in Bio-Inspired Computing and
Applications
(IBICA 2021)
on
World Wide Web
December 16-18, 2021
http://www.mirlabs.net/ibica21/

Objectives and Scope

The COVID-19 is the corona virus-based infectious disease that has affected the whole world in late 2019 and the World Health Organization (WHO) has declared it an international public health emergency. Till today the whole world is facing challenges and complications raised by the corona virus and its mutants. Lives have drastically changed due to such pandemics and would never remain the same.

Objective of this special session is to provide a platform for focused discussion on innovative applications in the domain of bio-inspired techniques to manage businesses in meeting challenges raised due to the pandemic situations.

Industry 5.0 makes effective use of smart machines and intelligent technologies. With the ubiquitous nature and high applicability of bio-inspired techniques such as artificial neural network, fuzzy logic, genetic algorithms, swarm intelligence, and other machine learning methods the society and industry can find some effective solutions. Domains such as healthcare, production, Governance, education, entertainment, ecommerce, etc. can use modern bio-inspired techniques for effective management of data, problem solving, and decision making.

All these domains are heavily affected by the pandemic and there is a need to address issues and challenges through the intelligent system. It is to be noted that with the traditional technologies and practices intelligent and effective support is not possible.

Subtopics

The topics include, but are not limited to:

- Hybrid evolutionary systems
- Intelligent IoT and IoE models
- Health informatics, disease diagnosis, advisory and awareness
- Educational games and intelligent E-learning models
- Entertainment and games
- Production

- Intrusion detection, fraud finding, and security systems
- Artificial immune systems
- Intelligent agents, intelligent voice assistants, etc.
- Intelligent fault finding, predictive maintenance, product design. Etc.
- Big data handling and analytics in modern business

Paper Publications
- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago) https://www.springer.com/series/15179
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324

Important Dates
Paper submission due: September 30, 2021
Notification of paper acceptance: October 31, 2021
Registration and Final manuscript due: November 15, 2021
Conference: December 13-15, 2021

Special Session Chairs
- Prof. Priti Srinivas Sajja, P G Department of Computer Science and Technology, Sardar Patel University, Gujarat, India (Web: pritisajja.info)
- Dr. Shankru Guggari, Member, Machine Intelligence Research Labs, USA, Data Scientist, Query data systems Pvt. Ltd, Bengaluru

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