

**Special Session on  
Soft Computing Techniques for Intelligent Healthcare Systems  
at  
22nd International Conference on Hybrid Intelligent Systems  
(HIS 2022)  
on  
World Wide Web  
December 13-15, 2022**

<http://www.mirlabs.net/his22/>

**Objectives and Scope**

This special session addresses the issues related to Intelligent healthcare systems. Outbreak of Covid-19 brings lots of challenges in healthcare and medicines. Artificial Intelligence and Internet of Things gaining attention of the researchers and healthcare professional to build integrated health care systems for improving the efficacy of the overall healthcare industry. It enables unprecedented insights into diagnostics, care processes, varied treatments for patient's care at the right moment.

The scope of the session includes but is not limited to Intelligent Healthcare systems for Biomedical and Health Informatics, Internet of Medical things, wearable sensors for health monitoring, drug prediction and discovery, recommendation systems, modelling and simulation in medicine, machine learning and deep learning algorithms for image processing/brain imaging techniques, artificial intelligence tools and techniques for patient safety, disease surveillance and prevention, disease diagnosis and management, big data analytics for data security, privacy, reliability and management.

We cordially invite researchers and scientists working in the intelligent healthcare systems all around the globe to participate and submit their research work to our special session.

**Subtopics**

The topics include, but are not limited to:

- Intelligent Healthcare systems
- Machine Learning/ Deep Learning for Medical Image Processing
- Internet of Medical Things (IoMT)
- Wearable Sensors for Health care monitoring
- Clinical Decision Support Systems
- Artificial Intelligence for drug prediction/drug discovery
- Biomedical engineering with WSN and IoMT
- Healthcare Mobile and Web Applications & Telemedicine
- Recommendation system for Intelligent Healthcare
- Modelling and Simulation in Medicine

- Big Data Analytics for Intelligent Healthcare

### **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, 2022

Notification of paper acceptance: October 31, 2022

Registration and Final manuscript due: November 10, 2022

Conference: December 13-15, 2022

### **Special Session Chairs**

- Anu Bajaj, Machine Intelligence Research Labs (MIR Labs), Seattle, USA
- Sandeep Verma, Indian Institute of Technology (IIT), Kharagpur, India

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