Special Session on

Recent Advances, Challenges and Future Trends in eHealth Care

in conjunction with

15th World Congress on Nature and Biologically Inspired Computing (NaBIC 2023)

December 12-14, 2023

Website: http://www.mirlabs.org/nabic23

Hybrid Mode – Online & Offline

Onsite Venues: http://mirlabs.org/nabic23/venue2.php

Objectives and Scope

The interdisciplinary Digital eHealth section of the International Conference on Hybrid Intelligent Systems presents advancing research, technologies, and applications in this rapidly developing field of eHealth care. Focusing on a collection of key topics such as health wireless devices, hardware, body sensors and software sensing technologies, Internet of Medical Things (IoMT), Trending health analysis with social networking mobile/cellular networks and body area networks; health information technology, big data analytics, genomics, personal genetic information and much more. The Digital Health Informatics section aims to provide a platform for authors, reviewers, and researchers around the world to present their discoveries and innovations in modernizing the eHealth informatics field.

This Special Session aims to address diverse topics that require new scientific contributions, such as healthcare methods and digital device use in social and health care, the influence of the use of the internet and social networks, specific interventions in health and social care using digital health to change clinical and social status, the Healthcare Internet of Things (HIoT), digital applications for public health, or patient empowerment and participatory care through digital technologies.

Subtopics

The topics include, but are not limited to:
- Health standards -Internet of things for E-health applications
- Communication Security, Security Standards
- Health professionals
- Health care system/ Health information technology
- Health sensor based Wireless devices
- Hardware sensors and software sensing technologies
- Internet of Medical Devices (IoMT)
- Social networking
- Mobile/cellular networks and body area networks
- Big data analytics
- Personal genetic information
- Systematic View and Impact of Artificial Intelligence in Smart Healthcare Systems, Principles, Challenges, and Applications
- Machine Learning Approaches for Analysis in Smart Healthcare Informatics

- Deep Learning for Next Generation Healthcare: A Survey of State-of-the-art and Research Prospects
- Recommender System for with Applications in Smart Healthcare
- Remote Monitoring Medical- Cyber Physical Systems (MCPS) for intelligent healthcare services

Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (https://www.springer.com/series/15179)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Paper 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
- Submission Link: https://mirlabs.org/nabic23/submission.php

Important Dates

Paper submission due: **September 30, 2023**

Notification of paper acceptance: **October 31, 2023**

Registration and Final manuscript due: **November 10, 2023**

Conference Date: **December 13-15, 2023**

Special Session Chairs

- **Dr. N. Thillaiarasu,** REVA University, Bengaluru, India
- **Dr. T. Saravanan,** GITAM University (Bengaluru Campus), India
- **Dr. V. Muthukumaran**, SRM Institute of Science and Technology, India

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