



8TH International Conference on Control, Automation, and Diagnosis



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May 15-17, 2024
Paris, France

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CALL FOR PAPERS SPECIAL SESSION ON

Intelligent Systems and Optimization for Healthcare

for ICCAD'24
May 15-17, 2024, Paris-France

Session Co-Chairs:

- Dr. Hend Bouziri, University of Tunis, LARODEC Laboratory, ESSECT, hend.bouziri@gmail.com
- Dr. Wassim Ayadi, SMART Lab, University of Tunis, and FSEGT, University of Tunis El Manar, Tunisia wassim.ayadi@fsegt.utm.tn

Session description:

In recent years, the convergence of advanced technologies and healthcare requirements has led to the emergence of a transformative field called intelligent healthcare systems. This interdisciplinary field combines the power of artificial intelligence (AI) and optimization techniques to revolutionize many aspects of healthcare services. AI, with its ability to analyze large amounts of data and identify patterns, is used to improve diagnostics, improve healthcare operations and enable personalization of medicines. By leveraging machine learning algorithms, AI can help healthcare professionals make more accurate diagnoses and predict disease outcomes. Additionally, optimization systems and machine learning techniques promise to improve the efficiency of healthcare supply chain management, optimize resource allocation, and streamline manufacturing operations. These intelligent systems enable healthcare organizations to make data-driven decisions, improve patient care, and optimize healthcare delivery.

This special session aims to bring together researchers, practitioners, and experts in the field of healthcare and artificial intelligence. This call for paper invites submissions related to intelligent systems and their applications in healthcare. It will also provide a platform for exchanging ideas, discussing recent developments, and exploring innovative solutions to challenges in the healthcare domain.

The topics of interest include, but are not limited to:

- Optimization and artificial methods for Healthcare resource allocation
- Artificial Intelligence applied on biological data
- Intelligent decision support systems in healthcare
- Optimization and Intelligent systems for home healthcare
- Optimization and AI in medicine

- Supply chain in healthcare
- Data-driven optimization in healthcare
- Intelligent prediction and early detection systems
- Optimization of healthcare operations during crisis situations

SUBMISSION

Papers must be submitted electronically for peer review by: **December 15, 2023**

<https://www.iccad-conf.com/submission/>

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).