



CALL FOR PAPERS - SPECIAL SESSION
“Artificial Intelligence in Medicine”
For **CODIT’22**
May 17-20, 2022 ▪ Istanbul, Turkey

Session Co-Chairs:

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Session description

This special session deals with the problem of Artificial Intelligence for Healthcare.

Artificial intelligence (AI) and related technologies are increasingly applied in medicine and biology. These technologies offer the potential to: automate various aspects of healthcare as well as administrative processes, diagnose disease, automatically analyze medical images, manufacture robotics used in orthotic rehabilitation, help the disabled community...

Many works suggest that AI can: exceed humans in many key healthcare tasks (such as diagnosing and preventing some disease), may guide researchers in how to construct cohorts for costly clinical trials, help medical device manufacturers to innovate their products to better assist health care providers...

This special session aims to explore the recent advances and the current challenges and hardware and software medical applications based on AI.

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

- Computer aided detection and Diagnosis (CADE, CADx...)
- Deep learning and machine learning for medical image and signal analysis
- Design of intelligent devices in medicine
- Design and intelligent control of robotics and prosthesis.
- Intelligent transport systems for healthcare

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January 07, 2022:**

<http://controls.papcept.net/conferences/scripts/start.pl> In PaperCept, click on the **CoDIT 2022 link** “Submit a Contribution to CoDIT 2022” and follow the steps.

IMPORTANT: 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).

DEADLINES

January 07, 2022: deadline for paper submission

March 4, 2022: notification of acceptance/reject

March 30, 2022: deadline for final paper and registration