

ICAIN-2025
International Conference on Artificial
Intelligence and Networking

Organized by
University of Stirling - RAK Campus, UAE

10th-11th October 2025

*******CALLFORPAPERS*******

SPECIAL SESSION ON

Innovation in Biomedical Engineering and Role of AI In medical diagnostics

SESSION ORGANIZERS:

Dr. Gurmeet Singh
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EDITORIALBOARD:(Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

This special session will explore the transformative impact of innovative computation in the field of biomedical engineering, focusing on advancements in biomedical engineering , Role of AI in disease diagnostics, Biomedical instrumentation, Neuroscience, biomedical imaging, biomechanics, surgery, and wearable health technologies. We will discuss Bioinspired Algorithms, Integration of AI in Rehabilitation Engineering, and the ethical and regulatory challenges surrounding AI-driven biomedical technologies. The session aims to highlight cutting-edge research and foster collaboration among experts in these rapidly evolving fields.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- 1. Innovation in Biomedical Instrumentation**
- 2. Innovative computation using Bio-inspired Algorithms**
- 3. Innovation in Neurosciences**
- 4. Innovative computation in Biomedical Imaging**
- 5. Innovative computation in Biomechanics**

6. Innovative computation in Surgery
7. Innovative computation in Wearable Health Technologies
8. Innovative computation in Rehabilitation Engineering
9. Ethical and Regulatory Issues in AI-Driven Biomedical Technologies
10. Role of AI-ML in disease diagnostics.
11. Nano technology in biomedical

SUBMISSIONPROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on

Innovation in Biomedical Engineering and Role of AI In medical diagnostics

on or before[30th May 2025]. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://www.icain-conf.com/downloads>. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE:While submitting a paper in this special session, please specify

Innovation in Biomedical Engineering and Role of AI In medical diagnostics

at the top (above paper title)of the first page of your paper.
