Artificial Intelligence for
Healthcare Applications
3rd International Workshop

The increased availability of data collected from healthcare systems has paved the way for a plethora of artificial intelligence (AI) applications in all fields of medicine, ranging from diagnosis to therapeutics or systems to improve rehabilitation processes, just to name a few. Collaboration between AI researchers and expert clinicians plays an important role in turning complex medical data (e.g., genomic data, online acquisitions of physicians, medical imagery, etc.) into actionable knowledge that ultimately improves patient care and people's quality of life.

This workshop aims to present recent advances in AI techniques for healthcare applications. The workshop aims to bridge artificial intelligence and machine learning researchers and practitioners with clinicians interested in exploiting AI potentialities in their clinical practice.

This year, AIHA will host a special session titled "Clinically feasible artificial intelligence solutions for rehabilitation via motion analysis." The special session aims to exhibit the advancements in AI-based solutions to improve assessment and recovery in rehabilitation with a proven feasible approach. Such approaches should be driven by real-world generated data and lead to real-world clinical solutions.
Further information about the special session are available **here.**

The workshop will be held on **December 1**, 2024, in conjunction with **ICPR 2024** (27th International Conference on Pattern Recognition, Kolkata, India, December 1-5, 2024).

AIHA 2024 will be held in **hybrid mode**, but the organizers encourage the participants to attend the workshop physically.

Topics

- Biomedical image analysis;
- Data analytics for healthcare;
- Automatic disease prediction;
- Automatic diagnosis support systems;
- Genomic and proteomic data analysis;
- Artifcilal Intelligence for personalized medicine;
- Machine Learning as a tool to support medical diagnoses and decisions;
- Machine learning for diagnosis and rehabilitation;
- Neural signal analysis for diagnosis assistance;
- Physiological signals processing;
- Gait analysis;
- Therapy selection;
- Brain-computer interface for healthcare;
- Biomechatronics for medicine;
- Neuromotor rehabilitation;
- Machine learning approaches in rehabilitation;
- Motion analysis for healthcare.

Dates

Paper submission deadline	August 9, 2024
Final decision to authors	September 13, 2024
Camera-ready for proceedings	September 27, 2024

Proceedings

Accepted papers will be included in the ICPR 2024 Workshop Proceedings. Authors of AIHA 2024 papers can find complete instructions of how to format their papers here. Papers can be submitted using the EasyChair.

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AIHA 2024 website