The 15th Mediterranean Conference on Information Systems (MCIS) and The 6th MENA Conference on Information Systems (MENACIS) 2023
"Bridging Communities in a Digital World"
September 6–9th, 2023

Association for Information Systems

ie BUSINESS SCHOOL

Track #10

Digital Health and Digitalization in Healthcare

Track Description

The track is looking for research on technology applications in healthcare and biotechnology. The post-pandemic world has been left with a legacy of new technologies that helped us survive COVID. These technologies are still being developed, and they are maturing. AI and machine learning are becoming more prevalent throughout, and automation is at an unprecedented level for the industry. The potential for healthcare to measurably improve the quality of our lives in the next decade is huge. Understanding and mapping the human genome will mean new forms of personalized treatments will be possible, and treatments using gene therapy could bring the possibility of longer and healthier lives. Medical and clinical data is finally being used to its full potential after years of minimal data that was manually collected by nurses. This has meant we can see complications in patients quicker and act faster thanks to algorithms that can spot patterns in heartrate and respiration.

Research could include papers on developing new IoT in hospitals, using NLP for diagnosis, scheduling and optimizing appointments, novel drug discovery algorithms, monitoring and patient welfare systems, and new ways of controlling the spread and containment of disease.

Track Main Topics

We invite papers on the following topics, but not limited to:
- Adoption, diffusion, design, and implementation of healthcare information systems
- Digital transformation in healthcare
- Artificial Intelligence in healthcare
- Virtual communities for healthcare
- NLP for clinical data and diagnosis
- IIoT monitoring in hospitals
- Data driven decisions in healthcare
- Computer vision for hospital scans
- Patient and hospital data management
- Digital well-being
- Digital technologies in global and local epidemic responses
- Case studies of real-world healthcare systems applications

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