1st Workshop on Artificial Intelligence and Internet of Things for Digital Health (AIIOT4DH)

https://labs.dimes.unical.it/speme/aiiot4dh2021/

in conjunction with the
IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies
IEEE/ACM CHASE 2021
https://conferences.computer.org/chase2021/index.html

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Artificial Intelligence (AI) and the Internet of Things (IoT) are hot and well-established technologies now, and integrating them is becoming a common practice. The implementation of innovative solutions in healthcare is nowadays fundamental, AI and IoT are therefore strong drivers of the digital transformation. Combining AI and IoT will improve operational effectiveness and efficiency in the Digital Health domain. Specifically, new AI and IoT solutions can fully support medical staff, patients, and inventory tracking, chronic disease management, drug management, emergency room wait time reduction, remote health control.

In this workshop, we are interested in receiving submissions related to innovative research, technical use cases, and project demonstrators covering one or more of the following main topics (not limited to):
- AI and IoT for medical diagnostics
- AI and IoT for wearable computing systems
- AI and IoT for chronic disease management
- AI and IoT for emergency room logistics
- AI and IoT for privacy and trust in healthcare
- AI and IoT for pandemic management
- AI and IoT for health safety at work
- Applications of smart environments for healthcare organization management

Technical Sponsors
- *University of Calabria, Italy*
- *ICAR-CNR, Italy*
- *IEEE SMC Italy Chapter*
- *Technical/Research Projects:*
  - ◊ EU TeNDER   https://www.tender-health.eu/it/home-ita/
  - ◊ EU SHAPES   https://shapes2020.eu/
  - ◊ EU ASSIST-IoT   https://assist-iot.eu/
  - ◊ EU Smart-Bear   https://www.smart-bear.eu/
  - ◊ EU ASCAPE   https://www.ascape-project.eu/the_project/
  - ◊ IT FluidWare   https://fluidware-project.github.io/
  - ◊ IT/RO SMARTIES (**S**urface **M**odified **A**lloy **R**esource of **Ti**-based Implant with **E**lectromagnetic **S**tructures)

Submission Instructions
Only electronic submissions in PDF will be accepted. Submitted regular papers must be written in English. Submitted regular paper should be no longer than **8 pages**, and submitted short paper should be no longer than **5 pages**. The submitted paper should be in standard IEEE conference format.
Please submit your paper through this link.

Best papers will be selected and invited to be submitted here: https://www.computer.org/digital-library/journals/tb/call-for-papers-special-issue-on-deep-learning-empowered-big-data-analytics-in-biomedical-applications-and-digital-healthcare

Important Dates
Special Session Paper Submission: 01 August 2021, 11:59:59pm AoE
Acceptance Notification: 26 September 2021
Camera-ready Submission: 10 October 2021