

# IEEE IoT Journal Special Issue on Advances in eHealth Networking, Applications, and Services

The recent progress in electronics, computational capabilities, and networking has resulted in great advances in new applications in the general area of Internet of Things (IoT). Nowadays, almost all our devices are connected; hence, IoT is currently playing a vital part in almost every aspect of our daily lives. One very promising direction of IoT is eHealth. eHealth is one field that has been seeing major advancements. eHealth has been widely investigated, towards enhancing the life quality of citizens, worldwide. However, eHealth field still requires more research and investigation, to advance the field of eHealth and increase its quality and interoperability, in addition to enhance our health quality and increase our life expectancy. Towards the enhancement of the field of eHealth, this Special Issue (SI) provides an opportunity to bring together healthcare professionals, researchers, scientists, engineers, academics and students from all around the world to share their latest advances on new technologies and systems development in different healthcare and medicine applications.

In particular, we solicit original unpublished papers within the general eHealth area. The topics include, but are not limited to:

## Signal/Data Processing and Computing for Health Systems

- Deep & Machine learning for eHealth solutions
- Edge computing for wearable medical devices
- Biometric analysis (gait analysis, eye-tracking, falls, mHealth)
- Thick Data and Big Data roles for eHealth outcomes improvements

## Communications and Networking

- Delay-tolerant, fault-tolerant and reliable communication
- Quality of Service (QoS) and Quality of Experience (QoE)
- 5G-based and B5G-based eHealth solutions
- Security and privacy for eHealth networking and services

## Medical, Biomedical & Health Communication Systems

- Medical imaging
- Smart health and big data
- IoT for eHealth and Telemedicine
- Digital health for medical applications

## Medical and biomedical eHealth enablers and sensors

- Biomedical and biosensors design
- Sensing of vital signs and signatures
- Wearable medical wireless sensors
- In-Body medical sensors

## Service & Applications

- eHealth services/applications for physical and mental health
- eHealth services/applications for public health (disease prevention, pandemic preparedness)
- Artificial Intelligence (AI) for eHealth application
- eHealth services/applications for COVID-19
- mHealth and digital health applications and software
- Quality of experience (QoE) for eHealth services/applications

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## Important Dates:

**Submission Deadline:** April 15, 2023

**First Review Due:** July 28, 2023

**Revision Due:** August 15, 2023

**Reviews due/Notification:** September 15, 2023

**Final Manuscript Due:** September 30, 2023

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