

# IEEE GLOBAL COMMUNICATIONS CONFERENCE

8–12 December 2024  
Cape Town, South Africa

**Call For Papers**

[globecom2024.ieee-globecom.org](http://globecom2024.ieee-globecom.org)



## Selected Areas in Communications: E-Health

### SYMPOSIUM CHAIRS AND CO-CHAIRS

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### SCOPE AND MOTIVATION

The e-Health track provides an opportunity to bring together healthcare professionals, researchers, scientists, engineers, academics, and students from all around the world to share their experience and latest advances in new technologies and system development in different healthcare and medicine applications. It provides a point to discuss recent developments, present cutting-edge innovations in all aspects of the field, and share the latest updates on new technologies, solutions, and applications that would shape the new generation of networks and systems related to healthcare and medicine. e-Health is one of the major research topics that has been attracting cross-disciplinary research groups. It enables new approaches to independent living, integrated health, and social care, and the rapid growth of using such themes in medical fields has created new opportunities for emerging application development. However, enormous challenges still remain to be resolved in order to develop optimized, flexible, reliable, secure, and power-efficient networks suitable for medical needs that can help accelerate scientific research, early diagnosis of diseases and more effective treatments. To ensure complete coverage of the advances in this field, the E-Health Track of the SAC Symposium solicits original contributions in, but not limited to, the following topical areas:

### TOPICS OF INTEREST

The e-Health SAC Symposium solicits original contributions in, but not limited to, the following topics of interest:

- Context awareness and autonomous computing for Ambient Assisted Living
- IoT on eHealth
- IoT solutions for remote or in-home patient monitoring
- Digital Signal Processing (DSP) algorithms towards early diagnosis;
- Mobile Healthcare
- Future mobile networks for healthcare (e.g. 5G)
- Future technologies for e-Health
- Personal and body area networks
- eHealth applications over 5G networks
- Biomedical and biosensors engineering
- Sensing of vital signs and signatures
- Wearable medical wireless sensors
- In-Body medical sensors communications
- Molecular sensor communications
- E-Health-oriented software architectures (Agent, SOA, Middleware, etc.)
- Autonomic diagnosis and situation awareness (Fall, Activity, etc.)

- Health and wellness measurement, monitoring and intervention
- Health grid and health cloud
- Health monitoring and traffic characterization
- Emerging e-Health applications
- Mobile and cloud computing for e-Health
- Blockchain for e-Health
- Big data analytics for healthcare
- Machine/Deep Learning for e-Health
- Digital Twin for eHealth/Healthcare Metaverse
- ICT-enabled healthcare system
- Security, trust and privacy in e-Health
- E-Health systems for Integrated Care
- Future technologies for the health of the aging brain
- Image and video processing for e-Health
- Privacy & Security

### **IMPORTANT DATES**

Deadline for paper submission: 1 April 2024

Date for notification: 1 August 2024

Deadline for final paper submission: 1 September 2024

### **SUBMISSION INSTRUCTIONS**

All papers for technical symposia should be submitted via EDAS through the following link:

<https://edas.info/N31420> and then Select [E-Health](#)