Symposium on Selected Areas in Communications - e-Health Track

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 on new technologies and systems development in different healthcare and medicine applications.

In particular, the e-Health track of the SAC symposium will focus on the advancements in e-Health and medical communications. It will provide an opportunity to researchers all around the world to share their work and contributions in the field of digital healthcare. The integration of ICT into healthcare has opened new possibilities in the medical field and enabled better healthcare facilities. Wireless devices and systems for health monitoring, detection, and prediction of medical conditions are few of the enabling tools and technologies that have improved the existing healthcare domain.

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 and 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

- 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
- Artificial Intelligence (AI) for eHealth application
- 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

IMPORTANT DATES

Deadline for paper submission: 15 April 2021

Date for notification: 25 July 2021

Deadline for final paper submission: 1 September 2021

SUBMISSION INSTRUCTIONS

All papers for technical symposia should be submitted via EDAS through the following link
https://edas.info/newPaper.php?c=27493