



Digital Healthcare in Pandemics

Guest Editors:

Dr. Muhammad Awais

School of Computing Sciences,
University of East Anglia,
Norwich, UK

Dr. Mohsin Raza

Department of Computer
Science, Edge Hill University,
Ormskirk, UK

Prof. Dr. Nik Bessis

Department of Computer
Science, Faculty of Applied
Sciences (FAS), Edge Hill
University, Ormskirk L39 4QP, UK

Deadline for manuscript
submissions:
closed (31 January 2024)



Message from the Guest Editors

Topics of interest include, but are not limited to:

- Internet of Medical Things (IoMT);
- Developing and building new models and architecture for IoMT;
- Decision support systems for IoMT-enabled healthcare in pandemics and health crises;
- IoMT for emergency services and pandemics;
- Performance, scalability, and reliability in IoMT;
- Cloud-based healthcare solutions in pandemics;
- Body area networks;
- Intelligent systems;
- Machine learning approaches to facilitate diagnosis and prediction;
- Deep learning for predictive modelling and the realization of digital twins in healthcare;
- Medical image analysis;
- Medical/bio sensors and sensor networks;
- Telehealth solutions and digital doctors;
- Digital twins in healthcare infrastructure;
- Predictive request routing and medical resource allocation;
- Deep learning techniques for diagnosis and decision support;
- Intelligent transportation to facilitate the provision of healthcare services and emergency response;
- ICT-enabled assistive technologies;
- Cloud and fog computing in digital health realization;
- IoMT for the remote monitoring of patients.