

IET Book Series *e-Health Technologies*

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The IET Book Series on e-Health Technologies - while the demographic shifts in populations display significant socio-economic challenges, they trigger more opportunities for innovation and new technologies for e-Health, m-Health, precision and personalized medicine, robotics, sensing, the Internet of Things (IoT), cloud computing, Big Data, Software Defined Networks (SDN), and network function virtualization. However, the integration of these technologies is associated with many complexities with regards to technological, ethical, legal, social and security challenges. This new Book Series aims to promote and disseminate the most recent advances on e-Health Technologies. Given the vertical characteristic of this topic, the Series will receive contributions from a plethora of different fields in order to improve healthcare and people's wellbeing.



About the Book Series Editor:

Joel J. P. C. Rodrigues is Professor and Senior Researcher at the National Institute of Telecommunications (Inatel), Brazil, and Senior Researcher at the Instituto de Telecomunicações, Portugal. He received the Academic Title of Aggregated Professor in Informatics Engineering from the University of Beira Interior (UBI), Portugal; the Habilitation in Computer Science and Engineering from the University of Haute Alsace, France; a PhD degree in Informatics Engineering and an MSc degree from the University of Beira Interior (UBI), Portugal; and a five-year BSc degree (licentiate) in Informatics Engineering from the University of Coimbra, Portugal. His main research interests include e-Health, sensor networks, Internet of Things, vehicular communications, and mobile and ubiquitous computing. He is the leader of the NetGNA Research Group (<http://netgna.it.ubi.pt>), President of the scientific council at ParkUrbis – Covilhã Science and Technology Park, Past-Chair of the IEEE ComSoc Technical Committee on e-Health, Past-chair of the IEEE ComSoc Technical Committee on Communications Software, Steering Committee member of the IEEE Life Sciences Technical Community and Publications co-Chair, and Member Representative of the IEEE Communications Society on the IEEE Biometrics Council. He is Editor-in-chief of the *International Journal on E-Health and Medical Communications*, *Recent Advances on Communications and Networking Technology*, and *Journal of Multimedia Information Systems*. He has been general chair and TPC Chair of many international conferences including IEEE ICC, GLOBECOM, and HEALTHCOM. He is a licensed professional engineer (as senior member), member of the Internet Society, IARIA fellow, and a senior member of the ACM and the IEEE.

Topics covered in this Series include:

- Health information systems / Intelligent e-Health systems
- Health information systems and interoperability
- e-Health-oriented software architectures (Agent, SOA, Middleware, etc.)
- Electronic health records
- ICT-enabled personal health systems
- Context awareness and autonomous computing for e-Health
- Health and wellness measurement, monitoring and intervention
- Health grid and health cloud
- Mobile and cloud computing for e-Health
- Health monitoring
- Emerging e-Health applications
- Precision and personalized health
- Pervasive health
- Robotics for e-Health
- Security, trust and privacy in e-Health
- Ambient Assisted Living
- Telemedicine and mobile telemedicine
- Image processing
- Big Data and crowd sensing on e-Health
- IoT for e-Health
- Biomedical and biosensors engineering
- Wearable medical wireless sensors
- In-Body medical sensors communications/ Molecular sensor communications
- Nanotechnology for e-Health
- Vital signs and signatures sensing and processing
- Computational tools early diagnosis of metabolic disorders
- And more.

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