

Tentative Outline

Special Thematic Issue for Recent Advances in Communications and Networking Technology

Remote Health Monitoring, Evaluation and Recovery using

Networking and Communication Technologies

Guest Editors: Ashish Khanna, Deepak Gupta, Abhishek Swaroop, Joel J.P.C. Rodrigues, Victor Hugo C. de Albuquerque

Aims & Scope:

The average human health is facing challenge due to life style disorders and continuously increasing level of pollution. The amalgamation of technology and health field is of utmost importance to discover cure of new diseases and better diagnostic methodologies, to improve the quality of life of patients and also to innovate new efficient algorithms for complementary and alternative medicine. The recent technological advances in industrial internet of things, mainly in internet of health things combined, for example, with edge of things, soft computing, virtualization, sensor technologies, distributed computing, wireless networks, signal processing, image processing and big data provide opportunities to develop advanced solutions for remote healthcare monitoring, evaluation and recovery. Today's requirement is to develop advanced intelligent, reliable and predictable solutions for healthcare, being the interconnection, integration and interoperability are the major challenges for the development of healthcare systems.

The aim of this special issue is to integrate recent researches on new methods and applications from industry and academia under one platform for the next generation solutions for remote human healthcare. We invite researchers to contribute original work, exploiting recent approaches, as well as seeking theoretical, methodological, and particularly established and validated empirical work dealing with different topics.

Keywords: wireless, Healthcare, Networks, Prototypes.

Subtopics:

Topics of interest include, but are not limited to:

- Edge of Things in Healthcare
- Internet of Health Things Applications
- Wireless Networks for Healthcare Systems
- Structural Health Monitoring
- Information Security
- Body Sensor Networks
- Signal Processing and Analysis for Healthcare
- Image Processing and Analysis for Healthcare
- Soft Computing Techniques in Healthcare

- Big Data Analytics for Healthcare Systems
- Real Life Platforms and Prototypes
- Distributed Computing in health care
- Virtualization of Wearable Health Devices and Systems
- Interconnection, Integration, Interoperability Issues
- Reliable Sensors Technologies

Schedule:

- ✧ Manuscript submission deadline: September 30, 2018
- ✧ Peer Review Due: October 31, 2018
- ✧ Revision Due: November 15, 2018
- ✧ Announcement of acceptance by the Guest Editors: December 10, 2018
- ✧ Final manuscripts due: December 25, 2018

Contacts:

Guest Editor: Ashish Khanna

Affiliation: Maharaja Agrasen Institute of Technology, India.

Email: ashishkhanna@mait.ac.in

Guest Editor: Deepak Gupta

Affiliation: Maharaja Agrasen Institute of Technology, GGSIP University, India.

Email: deepakgupta@mait.ac.in

Guest Editor: Abhishek Swaroop

Affiliation: Bhagwan Parshuram Institute of Technology, India.

Email: abhishekswaroop@bpitindia.com

Guest Editor: Joel J. P. C. Rodrigues

Affiliation: National Institute of Telecommunications (Inatel), Brazil, and Instituto de Telecomunicações, Portugal.

Email: joeljr@ieee.org

Guest Editor: Victor Hugo C. de Albuquerque

Affiliation: Graduate Program in Applied Informatics, University of Fortaleza, Brazil.

Email: victor.albuquerque@unifor.br

Any queries should be addressed to racnt@benthamsience.org