Special Issue "Sensor-based E-Healthcare System: Greenness and Security"

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A special issue of *Sensors* (/journal/sensors) (ISSN 1424-8220). This special issue belongs to the section "Sensor Networks (/journal/sensors/sections/sensornetworks)".

Deadline for manuscript submissions: **30 June 2018**

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Special Issue Information

Dear Colleagues,

Nowadays, sensor-based E-Healthcare systems are attracting increasing attention from both academic and industrial communities, with a number of benefits (e.g., easy access to diagnostic information, reduction of duplicated calls to doctors, fewer delays in treatment) in terms of traditional healthcare systems. As various information and communication technologies are incorporated in sensor-based E-Healthcare systems, the greenness and security, along with the utilization of these technologies, should be considered. For example, data sensing and transmission technologies should enable energy-efficient collection and delivery of patient information, while data storage and access technologies should enable secure storage and access of patient information.

Thus, for operating sensor-based E-Healthcare systems energy-efficiently and securely, this Special Issue calls for original technical papers, which focus on the greenness and security of sensor-based E-Healthcare systems. Tutorials or survey papers will also be considered. In addition, selected high quality papers from HealthCom 2017 (http://healthcom2017.ieee-healthcom.org/) will be invited for further consideration in this Special Issue for publication. Potential topics include, but are not limited to:

- Green architecture for sensor-based E-Healthcare system
- Secure architecture for sensor-based E-Healthcare system
- Green sensing for sensor-based E-Healthcare system
- Secure sensing for sensor-based E-Healthcare system
- Green communication for sensor-based E-Healthcare system
- Secure communication for sensor-based E-Healthcare system
- Green computing for sensor-based E-Healthcare system
- Secure computing for sensor-based E-Healthcare system
- Green data for sensor-based E-Healthcare system

- Secure data for sensor-based E-Healthcare system
- Green network for sensor-based E-Healthcare system
- Secure network for sensor-based E-Healthcare system
- Green middleware for sensor-based E-Healthcare system
- Secure middleware for sensor-based E-Healthcare system

Prof. Dr. Lei Shu
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Guest Editors

Manuscript Submission Information

Manuscripts should be submitted online at www.mdpi.com (http://www.mdpi.com/) by registering (http://www.mdpi.com/user/register/) and logging in to this website (http://www.mdpi.com/user/login/). Once you are registered, click here to go to the submission form (http://www.mdpi.com/user/manuscripts/upload/?journal=sensors). Manuscripts can be submitted until the deadline. All papers will be peer-reviewed. Accepted papers will be published continuously in the journal (as soon as accepted) and will be listed together on the special issue website. Research articles, review articles as well as short communications are invited. For planned papers, a title and short abstract (about 100 words) can be sent to the Editorial Office for announcement on this website.

Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts are thoroughly refereed through a single-blind peer-review process. A guide for authors and other relevant information for submission of manuscripts is available on the Instructions for Authors (http://www.mdpi.com/journal/sensors/instructions) page. *Sensors* (http://www.mdpi.com/journal/sensors/) is an international peer-reviewed open access monthly journal published by MDPI.

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Keywords

- Sensor
- E-Healthcare
- Greenness
- Security
- Architecture
- Sensing

- Communication
- Computing
- Data
- Network
- Middleware

Published Papers (4 papers)

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Research

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Open Access Article

Mixed H_2/H_∞-Based Fusion Estimation for Energy-Limited Multi-Sensors in Wearable Body Networks (/1424-8220/18/1/56)

by Chao Li (/search?authors=Chao%20Li&orcid=), Zhenjiang Zhang (/search?authors=Zhenjiang%20Zhang&orcid=) and Han-Chieh Chao (/search?authors=Han-Chieh%20Chao&orcid=)

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PDF Full-text (/1424-8220/18/1/56/pdf) (2391 KB) | HTML Full-text (/1424-8220/18/1/56/htm) | XML Full-text (/1424-8220/18/1/56/xml)

Abstract In wireless sensor networks, sensor nodes collect plenty of data for each time period. If all of data are transmitted to a Fusion Center (FC), the power of sensor node would run out rapidly. On the other hand, the data also needs a [...] Read more.

(This article belongs to the Special Issue Sensor-based E-Healthcare System: Greenness and Security (/journal/sensors/special_issues/Greenness_Security))

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