

Special Issue on Signal Processing for Applications in Healthcare Systems

Call for Papers

The cost of medical- and healthcare has been skyrocketing over the past decades. This is mainly due to the rapid growth of the aging population. To provide more comfortable and effective healthcare services, a recent trend of healthcare has been directed towards de-institutionalization, community care, and home care. On the other hand, the technologies have witnessed an impressive evolution in signal/image processing, computers, and network communications. These technologies have facilitated the development of effective signal processing techniques in consumer electronics to improve the quality of community and home healthcare as well as many portable devices with a wide variety of applications where signal processing-based software plays a pivotal role in their success. The goal of this special issue is to provide most up-to-date and recent advances of signal processing techniques developed for system and network design of healthcare applications. Hopefully, this special issue will serve as a forum and venue for researchers in both academia and industries working in this fascinating and emerging area to share their experience and findings with the readers.

Major topics of interest include but are not limited to the following:

- Computer-aided diagnosis for various medical modalities
- Signal processing for vital signs monitoring and analysis
- Signal analysis in circuits and devices design for healthcare systems
- Signal processing and analysis in surveillance and home monitoring for healthcare systems
- Embedded system design for healthcare devices

Authors should follow the EURASIP Journal on Advances in Signal Processing manuscript format described at the journal site <http://www.hindawi.com/journals/asp/>. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking Sys-

tem at <http://mts.hindawi.com/>, according to the following timetable:

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