



## CALL-FOR-PAPERS

ACM/Springer Mobile Networks & Applications (MONET)

<http://link.springer.com/journal/11036>

### SPECIAL ISSUE ON

## Wireless Mobile Communication and Healthcare: Transforming healthcare through innovations in mobile and wireless technologies

### Overview:

The interaction between technology and healthcare has a long history. However, the rapid growth of mobile and wireless technologies, Internet of Things (IoT) and Big Data, as well as the public embracement of miniature wearable biosensors have generated new opportunities for personalized healthcare services. The advantages of these services include the availability and accessibility, ability to personalize and tailor content, and cost-effective delivery. Still, many challenges need to be addressed to develop consistent, suitable, safe, flexible and power-efficient systems fit for medical needs. The ACM/Springer Mobile Networks & Applications (MONET) journal seeks original manuscripts for a Special Section on *Wireless Mobile Communication and Healthcare: Transforming healthcare through innovations in mobile and wireless technologies* scheduled to appear in the July issue of 2018. All aspects of novel mobile and wireless technologies for smart healthcare-wearable sensors, body area sensors, advanced pervasive healthcare systems, and Big Data analytics that are aimed at providing tele-health interventions to individuals for healthier lifestyles are of interest.

### Topics

Topics of interest include, but are not limited to, the following scope:

|   |   |
|---|---|
| <ul style="list-style-type: none"><li>- Mobile and e-Health Systems</li><li>- Innovation in Healthcare Technology</li><li>- E-Health services</li><li>- Mobile and e-Health applications</li><li>- Internet of Things (IoT) and Fog Computing in Healthcare</li></ul> | <ul style="list-style-type: none"><li>- Body Area networks (architectures, protocols, scheduling, etc.)</li><li>- Heterogenous and in-/on-/out-networks</li><li>- Wearable, outdoor and home-based applications</li><li>- Data collection and management at hubs, mobile devices and gateways</li></ul> |
|---|---|

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>- Wearable and Implantable Devices</li> <li>- Data Collection and Data Mining in e-Health Applications</li> <li>- Mobile and e-Health Circuits and Systems</li> <li>- Printable Electronics for Healthcare Applications</li> <li>- Energy in Biomedical Devices</li> <li>- Harvesting Management and Optimization</li> <li>- Self-systems for Healthcare</li> <li>- E-Health Software Design</li> <li>- E-Health Application Design for Cellular Phones</li> <li>- Daily Healthcare</li> <li>- Advances in sensor devices for biomedical monitoring</li> <li>- Intra-body communication issues (propagation &amp; transmission)</li> </ul> | <ul style="list-style-type: none"> <li>- Energy management and optimisation issues in biomedical devices and networks</li> <li>- Decision support algorithms for data analysis</li> <li>- Healthcare telemetry and telemedicine</li> <li>- Remote diagnosis and patient management</li> <li>- Accuracy, reliability, security, protection, identity, privacy, of diagnoses and data</li> <li>- All-pervasive wireless systems for health applications</li> <li>- Factoring in the environment (hospitals, nursing homes, assisted living, etc.)</li> </ul> |
|---|--|

### Important Dates

- **Manuscript submission deadline: March 6<sup>th</sup>**
- Notification of acceptance: May 20<sup>th</sup>
- Submission of final revised paper: June 20<sup>th</sup>
- Publication of special issue (tentative): July 31<sup>st</sup>

### Submission Procedure

Submitted articles must not have been previously published nor currently submitted for journal publication elsewhere. An extended version of an article appearing in the conference proceedings

(and in particular, EAI MobiHealth 2017) can be submitted provided that it has substantially new content w.r.t. to the original conference version. The conference paper must be cited in the main text and the cover letter must clearly describe the differences with the conference version and clearly identify the new contributions. As an author, you are responsible for understanding and adhering to the submission guidelines. Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>.

A copy of the manuscript should also be emailed to the Guest Editors at the following email addresses: [paolo.perego@polimi.it](mailto:paolo.perego@polimi.it), [amirr@uci.edu](mailto:amirr@uci.edu), and [nima.taherinejad@tuwien.ac.at](mailto:nima.taherinejad@tuwien.ac.at).

**Guest Editors:**

**Paolo Perego**, Politecnico Milano (Italy)

**Amir M. Rahmani**, TU Wien (Austria) and University of California, Irvine (USA)

**Nima TaheriNejad**, TU Wien (Austria)



<http://www.springer.com/journal/11036>

Mobile Networks and Applications

The Journal of SPECIAL ISSUES on Mobility of Systems,

Users, Data and Computing

Editor-in-Chief: Chlamtac, I.

ISSN: 1383-469X (print version)

ISSN: 1572-8153 (electronic version)

Journal no. 11036