CALL FOR PAPERS: Theme Issue on
"Internet of Things: Towards a Mobile and Ubiquitous Healthcare and Prevention"

The *Journal of Medical Internet Research* (JMIR) is the leading international peer-reviewed and open access journal dealing with issues related to health, health care and medicine in the Internet age.

JMIR is the most cited journal on medical informatics, according to the Thompson Reuters **Journal Citation Reports (JCR)** index, with an **Impact Factor of 4.7**.

The evolution of the Internet towards the Future Internet with IPv6, Wireless Personal and Local Area Networks (e.g. *6LoWPAN*, *Bluetooth*, *Wi-Fi*), mobile computing (e.g. *smart phones*, *tablets*), as well as the capabilities for global and uniqueness identification of objects (e.g. *RFID*, *NFC*), are making it feasible to identify, sense, locate, and connect people, machines, devices and everyday equipment.

These new capabilities to link Internet with everyday devices, forms of identification and communication among people and things, and exploitation of data capture, define the so-called Internet of things. This is opening an opportunity not only to extend the current e-Health approaches to a more pervasive and mobile healthcare prevention, by connecting citizens'/patients' clinical and everyday devices to the Internet, but also to interconnect them with clinical platforms through the advantages from technologies such as smart clinical devices and wireless technologies. Furthermore, new identification and tracking solutions are being defined for hospital equipment, and new smart knowledge-based algorithms are developed to support personalized decision-making in the health and home care sector. Additionally, their applications in supplementary sectors such as pharmaceutical, in order to improve drug compliance and avoid adverse drugs reactions.

The objective of this issue is to report high quality research on recent advances developed in various aspects of e-health, more specifically the state-of-the-art approaches, methodologies, and systems in the design, development, deployment, and innovative use of the technologies, tools, and applications from the Future Internet of Things, People and Services for healthcare and prevention. We invite authors to submit their original papers and contributions addressing (but not limited to) the following topics:

- *Medical communications, protocols, standards and interoperability*
- *Personal healthcare informatics solutions*
- *Wireless Sensor Networks technologies for e-Health (e.g. 6LoWPAN/Bluetooth/WiFi)*
- *Sensor technologies for e-Health and personal healthcare (e.g. ISO/IEEE 11073)*
- *Identification technologies for e-Health, surgical and medical systems (e.g. QR/RFID/NFC)*
- *Wearable and continuous health monitoring*
- *e-Health service management (e.g. Web of Things)*
- *Elderly homecare, Tele-health, and Ambient Assisted Living (AAL)*
- *Usability and HCI interfaces based on mobile computing and the Internet of Things*
- *Personal Health Record, Information Systems, and Knowledge-Based Solutions*
- *Global Healthcare and Citizens' Prevention*
- *Medication adherence, clinical guideline compliance and pharmaceutical applications*
- *Tools and techniques to design, implement, and deploy IoT solutions*
- *Mobile computing and Ubiquitous Healthcare applications*
- *Living labs and field trials with the Internet of Things technologies*

SUBMISSION OF MANUSCRIPTS

Manuscripts must be prepared in accordance with the format and instructions hereto defined in the (www.jmir.org/cms/view/Instructions_for_Authors:Instructions_for_Authors_of_JMIR), and submitted through the *Web-Based Manuscript Submission and Tracking System.* When submitting, select section *"Theme Issue on Internet of Things: Towards Mobile and Ubiquitous Healthcare and Prevention"*, in the manuscript type to indicate that the paper is intended for this theme issue.

An **OPEN CALL** for submissions is issued. In addition, the best papers from the International Workshop on Ambient Assisted Living (IWAAL) will be invited to submit a manuscript. For further information, see http://mami.uclm.es/ucami2012/

All contributions will be peer reviewed. As JMIR is an open access journal, authors publish their work under a creative commons license and keep the copyright. Articles will be freely accessible on the JMIR site and will be available in open access archives such as Pubmedcentral.gov.

> **RECOMMENDATION:** before submit your paper be awareness that JMIR is not an engineering journal, and it will not be published overly technical papers with no real-live application and a thorough evaluation. Therefore, it is required high-quality research articles with technical background, but this also should have a health angle, and an evaluation in hospitals, clinics, living labs, patient's homes, residencies, or Ambient Assisted Living scenarios.

These articles will be indexed in more than 20 bibliographic databases and abstracting services, including Medline, CINAHL, Information Science Abstracts, INSPEC (Institution of Electrical Engineers), Communication Abstracts, The Informed Librarian Online, LISA, EMBASE, Scopus, Science Citation Index Expanded, PsycINFO, LISTA (Library / Information Sciences & Technology Abstracts), ASSIA (Applied Social Sciences Index and Abstracts) database, CSA Social Services Abstracts database, Pubmed Central, and other databases and abstraction services. Publication costs (APF: article processing fee) for copyediting, and typesetting must be covered by the authors.

Impact Factor (2010): 4.7 (5-yr impact factor: 5.0): JMIR is top-ranked in the Thompson Reuters ISI disciplines 'medical informatics' (#1) and 'health services research' (#2)!

TIMELINE AND DEADLINES

- **DEADLINE FOR SUBMISSION: December 15th, 2012**
- **PUBLICATION:** The publication is scheduled to end 2013/beginning 2014

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