**Call for Book Chapters**

**Book Title: Mobile Health (mHealth): The Technology Road Map**
**Publisher: To be published by _Springer_**

Scope:
Mobile Health (mHealth) is the evolved subset of Electronic Health (eHealth), which is the intersection of smartphone technology and healthcare industry. mHealth coverage includes the capture, manipulation, classification, and transmission of health information, normally initiated from biomedical sensors, collected by smartphone devices, and transmitted through the cellular and cloud networks. Various cloud-based entities (e.g., doctors, medical labs, insurance, medical database, and family/coach) may be on the receiving ends of the end-to-end paths.

This book is expected to include the contributions of diverse groups of authors from various academic, industry, government sectors, edited by a mHealth expert (Sasan Adibi, PhD), and reviewed by a professional team of associate editors and reviewers. This book will contain many technological aspects of mHealth from various perspectives, including: medical, technology, application, legal, government, standard, sensor, radio/cellular, cloud, and other relevant areas.

Tentative Chapter Outlines (not limited to):
- Technological Boundaries of Health Informatics and mHealth
  - Overlaps with eHealth, Healthcare Systems
- mHealth Issues and Challenges
- mHealth Sensors and Applications
- mHealth and Preventive Medicine
- mHealth and Remote Health Monitoring/Rural Medicine
- mHealth and Curative Medicine
- mHealth and Wireless Sensor Networks
- mHealth and Smartphone Systems and Platforms
  - Android, iOS, BlackBerry, Windows Mobile
- Low Power/Ultra Low Power mHealth Systems
- mHealth VLSI and ASIC Designs
- Signaling, Protocols, DSP
- mHealth Testing and Prototyping
- mHealth Standards
  - IEEE, ISO
- mHealth and Clinical Trials
- mHealth and Sleep Technologies
- Biofeedback/Neurofeedback
- mHealth and Nanotechnology
- mHealth and Mechatronics
- mHealth and Biomedicine
- Ocular Informatics
- Augmented Reality
- mHealth and EHR/PHR/MHR
- mHealth Cloud Computing
- mHealth Energy Harvesting Systems

- mHealth Drug Delivery
- Vehicular Informatics
- Mental Health
- Imaging Informatics and Medical Imaging
- mHealth Communication and Wireless Systems
  - Machine-to-Machine Communication (M2M)
  - Security and Privacy
  - Quality of Service (QoS) and Quality of Life (QoL)
  - Data Classification, Machine Learning, Big Data Handling
  - Cellular Networks
    - 3G (e.g., LTE), 4G (e.g., LTE-A), and Beyond 4G
  - Link Technologies
    - NFC, ZigBee, Bluetooth, and Bluetooth Low Energy
  - Frequency-Bands
    - UWB, 6-10 GHz, 60 GHz, Terahertz Technology
- Future Directions and Trends, Emerging Applications of mHealth (short-chapter only)

Abstract Submission:
Authors are requested to submit a 1-2 page proposal with the following information:
- Chapter proposal title
- Authors' titles, affiliations, and contact information
- Chapter proposal abstract
- Tentative chapter proposal list of contents
- List a few references

Please send your proposals to:  sasan.adibi@rmit.edu.au  and  mhealth.book@gmail.com

Full Chapters submission:
Full Chapters can be submitted once the abstract has been accepted. A full-chapter is normally 15-20 pages long or around 4000-8000 words (exceptions may be accepted).

Journal Consideration for Selected Chapters:
Extended version of selected chapters will be considered for publication in the *Journal of Selected Areas in Health Informatics (JSHI), Cyber Journals* (http://www.cyberjournals.com) with the possibility of receiving the **Best Paper Award**.

Important Dates:
Abstract submission deadline: ~~April 15, 2013~~, **Extended to May 15, 2013**
Abstract notification (peer-reviewed): June 1, 2013
Full chapter submission deadline: September 1, 2013
Full chapter notification (peer-reviewed):  December 1, 2013
Final chapter notification: February 1, 2014
Tentative publication date: First quarter of 2014

Editor-in-Chief:
Sasan Adibi, PhD
Vice Chancellor Research Fellow
Royal Melbourne Institute of Technology (RMIT)
Melbourne, Australia
Email:  sasan.adibi@rmit.edu.au

# Call for Book Chapters

**Book Title: Mobile Health (mHealth): Multidisciplinary Verticals**
**Publisher: To be published by *Taylor & Francis (CRC Press)***

Scope:
Mobile Health (mHealth) is the evolved subset of Electronic Health (eHealth), which is the intersection of smartphone technology and healthcare industry. There are a number of verticals associated with mHealth and this book covers a number of these verticals in a multidisciplinary approach. The goal of this book is to provide an overview of the emerging mHealth applications where various verticals are covered under a single umbrella. Applications and technologies are linked to key market and vendor players and interdependencies and synergies between various stakeholders are highlighted.

From the business perspective, this book provides an exposure to various business models and highlights the trends and directions that the vertical market is headed. From the social perspective, social dependencies, age-related issues, cultural barriers, and gender specific influences are to be covered. Therefore this book will be a great source for various aspects of mHealth from various perspectives, including: technology, application, legal, government, standard, business, market, and social.

Tentative Chapter Outlines (not limited to):
- mHealth Business Perspective
    - Business and Revenue Models
- mHealth Market Players and Vendors
- mHealth Cloud Computing
    - mInsurance, mPharmacy
- mHealth Regional and Geographical Influences
- mHealth and Public Health
    - National and International Disaster Tracking and Advisory
- mHealth Standards and Regulations
    - ISO, 3GPP
- mHealth and Governments and Non-Profit Organizations
    - Continua, FDA, Health Canada, Health and Aging Australia
- mHealth Social Perspectives
    - Aging, Gender, Cultural Barrier, Indigenous Population
- Legal and Liability Issues in mHealth
- mHealth and Psychology
    - Behavioral Monitoring, Stress Management
- mHealth Education
- mHealth Technology Implications
    - Security, Interoperability, Scalability, Ubiquitous, Data Management and Ownership
- Future Directions and Trends, Emerging Applications and Dependencies of mHealth (short chapters)

Abstract Submission:
Authors are requested to submit a 1-2 page proposal with the following information:
- Chapter proposal title
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Editor-in-Chief:
Sasan Adibi, PhD
Vice Chancellor Research Fellow
Royal Melbourne Institute of Technology (RMIT)
Melbourne, Australia
Official Webpage: http://www.rmit.edu.au/browse?STYPE=PEOPLE&QRY=e03056
Personal Webpage: http://www.adibis.org/Sasan
Book Chapter Invitation Flyer: http://www.cyberjournals.com/CFBC_mHealth.pdf
Email:  sasan.adibi@rmit.edu.au
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