

IEM SEMINAR SERIES

TUESDAY
DECEMBER 1st, 2015

Mobile Health Technology and the Clinical Management of Patients with Chronic Conditions



Institute for
Engineering in Medicine
UNIVERSITY OF MINNESOTA
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DR. PAOLO BONATO

Department of Physical Medicine and Rehabilitation
MGH Institute of Health Professions
Harvard Medical School
Wyss Institute for Biologically Inspired Engineering
Harvard University



FREE event, no registration
required.

Pizza and drinks will be
provided.

12:00PM - 1:00PM
Nils Hasselmo Hall
Room 4-101

For additional information on
Dr. Bonato's presentation,
please contact:
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The Institute for Engineering in Medicine (IEM) is pleased to announce the upcoming IEM Seminar by Dr. Paolo Bonato, "Mobile Health Technology and the Clinical Management of Patients with Chronic Conditions."

The increase in life expectancy and the high prevalence of long-term medical conditions in older adults have raised concerns that healthcare costs might get out of control. The anticipation that this "perfect storm" would bring the system to its knees has motivated large healthcare networks to pursue the adoption of technologies to facilitate the implementation of primary and secondary prevention plans. Hence, we have witnessed a fast-growing interest for mobile health technologies. This talk will discuss current R&D efforts and future potential developments in the field of mobile health technology that aim to address the growing demand in the healthcare sector for systems designed to achieve health monitoring of individuals in the home and community settings. Case scenarios based on ongoing studies on patients with Parkinson's disease and stroke survivors undergoing rehabilitation will be presented. The discussion of these case scenarios will emphasize the technical challenges associated with the development of mobile health systems, the potential roadblocks in the path toward adoption of these technologies in the clinic, and the potential economic and societal impact of mobile health systems.

Paolo Bonato, Ph.D., serves as Director of the Motion Analysis Laboratory at Spaulding Rehabilitation Hospital, Boston MA. He is an Associate Professor in the Department of Physical Medicine and Rehabilitation, Harvard Medical School, Boston MA, an Adjunct Professor of Biomedical Engineering at the MGH Institute of Health Professions, Boston MA, and an Associate Faculty Member at the Wyss Institute of Biologically Inspired Engineering at Harvard University, Boston MA. Dr. Bonato currently serves as IEEE EMBS Vice-President for Publications (2013-present). His research interest is focused on rehabilitation technology with special emphasis on mobile health technology and rehabilitation robotics.

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