

# Health Informatics and Technology

June 29-30, 2016 New Orleans, USA

## Finding people, places and things in hospitals and clinics

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The quality of care may vary from country to country but hospitals share many of the same problems: Navigating maze-like structures causes frustration for patients and visitors, sometimes resulting in late arrivals and missed appointments; hiring new staff means understanding they may have trouble navigating to a specific room during an emergency, putting patients at risk; finding colleagues can be very time consuming and; redundant purchasing of expensive medical equipment because locating them in emergencies is problematic. In this session, Christian Lundquist, CEO and Co-Founder of SenionLab- A cutting edge indoor positioning company, will discuss the benefits of indoor positioning systems for hospitals. Benefits of such systems include: A patient wayfinding app that helps alleviate lost patients or visitors by providing directions to the appointment from the current position of the patient or visitor; staff member alerts with directions to where they need to be, which can be critical in emergency situations; asset management capabilities, offering vastly improved control of the equipment inventory and maintenance by knowing the location of each item and whether it is in use. In this session, Mr. Lundquist also will discuss the seemingly endless application possibilities for indoor positioning, including how it can help health care professionals track where patients and staff have been, which is crucial in infection containment. He will also discuss the indoor positioning technologies that are available today that make these applications possible.

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## Global Paradigm Shift in Healthcare through Disruptive Innovations

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Our world is shrinking as disruptive innovations dominate our way of life and health. The Purpose of this paper is to provide information and guidance for audiences to shift from anomalies that threaten worldviews and transform global challenges in health equity to opportunities for global-people-centered healthcare innovations. Global paradigm shift (GPS) is defined as a fundamental change in approach or assumptions that affects local, regional, national, and international methodology or practice in health, healthcare, healthcare providers and healthcare systems. GPS could be an event when usual and accepted ways of thinking, feeling, and behaving about health, healthcare, healthcare providers and healthcare systems changes. To remain relevant in a rapidly changing and technology-driven world, we need to be innovative by shifting strategies to meet the demands of diverse healthcare consumers, to pursue alternative theories, models and methods of delivering health interventions, to adopt new technologies and to take on new roles and activities. Citizens of the world have been oriented to the proposition that diseases are events to be conquered, to be cured or excised. However, in the process of curing or removing it, the disease usually wins through metastasis, gaining roots and producing an unacceptable acute debilitating outcome or death. Therefore our challenge is to be Collaborative, Agile, Resilient, and Ethical in strengthening the bond between global communities and health outcomes-- attributes of GPS. Health in GPS could be defined as being well, agile and resilient physically, emotionally, spiritually, behaviorally, socially, and economically not only the absence of disease but even in the presence of chronic disease. A short video portion of the paper will be presented.

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