

**HICSS-50**  
**IT in Healthcare Track**  
**Minitrack Proposal**

**Mobile Apps and Wearables for  
Health Management, Analytics, and Decision Making**

Mobile Apps, wearables, and Social Media are dramatically influencing how clinicians, caregivers, patients and their families can manage health and wellness. Further, they have the potential to facilitate the design and development of superior healthcare delivery. In addition, there is a trend to foster active patient participation in their care and we are witnessing a plethora of emerging technologies to assist in this regard. The data collected enable sophisticated analysis and smart decision making. In this minitrack, we focus on how such technologies might be utilized to address the challenges faced by healthcare management such as escalating cost pressures, a growing aging population, an increasing prevalence of chronic diseases, and a move to a preventive care focus. Integral to these solutions is a patient-centric view in order to satisfy consumer expectations and provide high quality care. This minitrack provides an outlet for all research focused on health and wellness related mobile technologies, applications, and data analytics. Selected papers will be fast-tracked for a special issue in Health and Technology published by Springer.

We welcome research in progress or completed research papers that address technological aspects, applications, use cases, theories, and models as well as other critical issues, including but not limited to:

- Innovative Apps, wearables, and Social Media solutions for chronic disease management and fitness/wellness.
- Mobile Apps to support health and fitness monitoring.
- Online social networks for self-care and healthcare information exchange.
- Big Data, its generation, collection, and implications for health and wellness.
- Analytics of health-related sensor data and social media data.
- Self-management and self-quantifying technologies to assist fitness and wellness.
- Sensor-based solutions for treatment tracking and tracing and compliance control.
- Mobile and ambient solutions to manage epidemics, pandemics, and health crises.
- Methodologies, models, and frameworks to support mobile health management.
- Business models and cost-effective concepts to support patient centric healthcare.
- Impact of Affordable Care, Meaningful Use and similar initiatives on design, development, adoption, and analytics of mobile Apps and wearables.
- Regulatory, privacy, and security issues with mobile solutions in healthcare.

Key dates:

Initial manuscripts without author names should be submitted for review by June 15, 2016. This is a firm deadline. Submit final papers for publication by September 15, 2016.

We welcome abstracts of prospective submissions to give guidance and advice.

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