Designing Persuasive Health Technologies: Where Mobile, Cloud and Remote Sensing Converge

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Abstract

The world's population is aging. While people are living longer, they are also suffering from many chronic diseases. Obesity has been noted as a risk factor that leads to diabetes and congestive heart failure which is the leading cause of death throughout the world in older adult population. Prof. Chatterjee's lab is at the forefront of designing remote monitoring technologies that can assist such patients to live healthy and age in place with technology support. His team has developed several persuasive technologies to modify human behavior that are impacting peoples' lives. He is currently exploring new approaches and solutions to prevention and wellbeing. In this talk he will describe the design challenges, innovative solutions and share preliminary results from a Heart-Failure trial being conducted at Loma Linda Hospital. He will also share the challenges of trying to commercialize this innovation through his startup.