



**San Fernando Valley Section
Engineering in
Medicine and Biology
Society Chapter**



PRESENTS

Peter Beal

Electrical Engineer, Medtronic Diabetes, Inc.

Bluetooth Smart for Medical Devices

Bluetooth Low Energy, now called Bluetooth Smart, has quickly become the standard of smart devices, enabling real-time access to connected homes, cars, and now, medical devices. Bluetooth Smart offers ultra-low energy operation of high-speed wireless data across a wide platform of devices, from thermostats and smartwatches to Medtronic's new MiniMed Connect device.

A Bluetooth Smart certified medical device, coupled with a smartphone or other smart device, will empower patients with unprecedented access to their medical data, while their primary care providers can view health events in near-real time. The universal connectivity of Bluetooth Smart, along with the rise in smartphones, will allow for unprecedented access of patient data, enabling improved methods of care.



Peter Beal is an Electrical Engineer with Medtronic Diabetes, a world leader in Diabetes management therapies and research, working in the Continuous Glucose Monitoring (CGM) Hardware R&D group, focusing on Test and Certification of their CGM devices. Recently, he has been involved in the effort to achieve Bluetooth Smart capability with numerous devices.

He is the chair of the IEEE Los Angeles Council and serves as chair of the San Fernando Valley chapter of the IEEE Young Professionals. He also enjoys coaching the Granada Hills Charter High School robotics team, The Robodox.

December 15, 2015, Tuesday 6:00 p.m.

light dinner will be served, presentation starts at 7 p.m.

Medtronic Diabetes

18000 Devonshire St
Northridge, CA 91325

Registration is required: <https://embs-beal-2015.eventbrite.com>

Please register by Sunday, December 13