



# IEEE Twin Cities Workshop

## Wireless Bio-Sensors and Medical Devices: A Practical Development Approach

The workshop is an all-day event for engineers and managers interested in learning how to implement wireless technology into bio-sensors and medical devices. Attendees will learn processes and approaches used to set requirements, design, test, and manufacture wireless bio-sensors and medical devices, including regulatory approval processes. This workshop is a unique opportunity to learn how to apply wireless technology to a bio-sensor or medical device and to network with leaders in the field of bio-sensors and medical devices.

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### Agenda:

- 7:00 A.M. to 8:00 A.M. Social/Continental Breakfast
- 8:00 A.M. - 8:15 A.M. Opening Remarks & An Overview of the Technical Program
- 8:15 A.M. to 9:00 A.M. Dr. Donald Witters of the FDA: Considerations for Wireless Technology in Healthcare.
- 9:00 A.M. to 10:00 A.M. Dr. Rashmi Doshi of the FCC: An Overview of FCC Rules and Procedures for Wireless Biosensors and Medical Devices.
- 10:00 A.M. to 10:30 A.M. Mid Morning break, including snacks and beverages
- 10:30 A.M. to 11:30 P.M. Dr. Steven Koester, University of Minnesota: Novel Concepts for Passive Wireless Biosensors.
- 11:30 P.M. to 12:30 P.M. Jeff Solum, Starkey: Advanced Wireless Hearing-Aid System.
- 12:30 P.M. to 1:30 P.M. Lunch Buffet, including Sponsor & Membership Development Presentations
- 1:30 P.M. to 3:30 P.M. Dr. David Nghiem (Global Wireless Technology, Inc.) and Industry Panel: A Practical Development Approach for Wireless Bio-sensors & Medical Device Systems.
- 3:30 P.M. to 4:00 P.M. Afternoon break, including snacks and beverages
- 4:00 P.M. to 5:00 P.M. Dr. Rakesh Verma (University of Houston), and Dr. David Nghiem (Global Wireless Technology, Inc.): Security, Interference and MRI Challenges.

**Workshop website (detailed information):** <http://www.mtt.tc-ieee.org/workshop2012/#!/home/mainPage>

**Registration Website:** <http://www.eventbrite.com/event/4093740488>

Attendees will receive 7 PDHs towards their PE certification.

- Time:** 7 AM – 6:00 PM
- Day:** Wednesday
- Date:** November 7, 2012
- Place:** Minneapolis Marriott Northwest  
7025 Northland Drive North  
Brooklyn Park, MN 55428
- Cost:** \$80/\$100 IEEE/Non-IEEE by Oct 24  
\$100/\$120 IEEE/Non-IEEE after Oct 24  
\$25 Student by Oct 24  
\$35 Student after Oct 24
- To:** Dr. David Nghiem, Vice-Chair TC-MTT-S  
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