Surgical Navigation Systems for Image Guided Surgery

What will the future of surgical navigation be in the evolving healthcare landscape?

Program Description
Surgical navigation systems extend the surgeon’s senses and motor skills to enable complex procedures that would otherwise be difficult or impossible.

Procedures include: brain cancer surgery; hip- and knee-replacements; and cardiac procedures. Imaging and computer technologies have been integrated with manual and robotic instrumentation to offer unparalleled surgical precision.

Optical, infrared, radio frequency, ultrasound and imaging technologies are used to track handheld instruments during procedures, and to overlay their locations on pre-op or real-time images.

Experts from industry and academia will engage in a lively forum on the advances in surgical navigation, but also challenge the cost effectiveness and medical outcomes of the procedures that they’ve enabled.

We’ll close with a panel discussion on what the future of surgical navigation might be in the evolving healthcare landscape.

Upcoming Events
- Thurs July 14  6:45 – 10:00 PM
  Boston Harbor Cruise
  (Rowes Wharf, Boston)

- Wed Sept 14  4:00 – 8:30 PM
  Reading your Mind
  Physical Responses to Your Brain Activity
  (Regis College, Fine Arts Center, Weston, MA)

For more information, go to mdgboston.org
**Moderator**

**Henry Feldman M.D.**

Henry is an Assistant Professor of Medicine at Harvard Medical School and a board certified attending physician in Internal Medicine with Focused Practice in Hospital Medicine. He also works in the “maker” field around medical devices and robotics, working on multiple medical devices for the medical field, including machine vision, destructive testing and surgical instruments.

**Presenters**

**Arvind Agnihotri, M.D.**

Dr. Arvind Agnihotri was director of minimally invasive and robotic heart surgery at Mass. General for 12 years. He now oversees cardiac surgery at Steward’s largest hospital, St. Elizabeth’s Medical Center in Brighton. Surgeons at the Center for Advanced Cardiac Surgery perform some of the region’s most state-of-the-art cardiac surgeries available, offering high-quality, advanced treatment options ranging from complex cardiac surgeries to minimally invasive procedures, including robotic assisted procedures.

**Russell Singleton, PhD.**

Sr. VP. of R&D, Medrobotics

Russ joined Medrobotics in April, 2013 after consulting for several complex imaging and automation equipment companies in the medical device and life science sectors. He is Sr. VP. of R&D at Medrobotics in Raynam, MA. Medrobotics Corporation is a privately-held, surgical products company with a core competency in robotics.

**Brett Prince**

Brett joined Corindus in September 2012, bringing 12 years of Sales and Marketing experience, including 5 years at General Electric. Immediately prior to joining Corindus, he was the Director of Product Management at Precision Therapeutics. While at General Electric he held a variety of sales and marketing leadership roles in both the life-sciences and imaging divisions. Mr. Prince holds a B.S. in Materials Science and Engineering from Cornell University and an M.B.A. from MIT Sloan.

**Co-Champions**

**Dan Healy**

**Peter Vandermeulen**

VP of Sales and Marketing, Performance Motion Devices
MDG Boston
We would like to thank the hundreds of volunteers who help to make this organization a success.

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MDG Boston 2016–2017 Forum Schedule

Sep 14  Reading Your Mind: Understanding Your Brain Through Physical Response  
Co-Champions: Peter Madras, Geoffrey Moodie, Trish Robertson

Sep 28  10th Annual: Transitioning Into and Within the Medical Device Industry  
Champion: Lisa Sasso

Oct 5  Medical Device Security in a Connected World  
Co-Champions: Dick O’Brien, Eric Soederberg

Nov 2  Counterfeit Medical Devices: A Threat to Your Business and Your Health  
Co-Champions: Hank Allard, Rich Nadeau, Mark Schonfeld

Dec 13  Healthcare Innovation for Developing Countries  
Co-Champions: Christina DeMur, Paul Hartung, Prakash Manandhar

Jan 4  Breakthroughs in Diagnosis and Treatment of Ovarian and Breast Cancer  
Co-Champions: Dave Jacobs, Jerry Shapiro

Feb 1  Improving Patient Safety: through Hardware and Software Product Design  
Co-Champions: Ingrid Centurion, Eric Cunningham

Mar 1  Personalized Healthcare: Gimmick, Gadget or Outcome Driven  
Co-Champions: Jeff Karg, Keith Kowal

Apr 5  Three Perspectives on Value: Manufacturer, Provider, and Payer  
Champion: Aaron Cohen

May 1  Cost Effective Geriatric Care  
Co-Champions: Hank Allard, John Libertino

Jun 12  Collaborating for Progress: What Engineers and Entrepreneurs need to know to work with Doctors  
Co-Champions: Peter Madras, John O’Gara

NEW Location: Regis College Fine Arts Center, Weston, MA

Member News

MDG welcomes these new members:  
Michael Alouane  
Chris Campbell  
Suzanne Conroy  
Roberta Cosgrove  
Joe Grappin  
Bryce Klontz  
Kuldip Medhe  
Daniel Skiba  
Frank Yeung

In addition, we welcome back those who have renewed their MDG membership:  
Jennifer Anderson  
Richard Andrews  
Juergen Blume  
Peter Chantiles  
Michael Chase  
Joyce C. Chiu  
Philip Hershberg  
Pavel Hradecky  
Susan Hsiung  
Alan Kivnik  
Keith Kowal  
Sergio Lopez  
Marcella Lynch  
Peter Madras  
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Michael O’Neill  
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Nicolle Shugrue  
Jack Swig  
Margie Zuk

About MDG Boston

MDG is the professional association for career building, knowledge acquisition and mutual support for New England medical technology professionals.

MDG sponsors Forums, Networking, SIGs (Special Interest Groups), Workshops and Special Events where diverse industry leaders can share their experience and knowledge as presenters and through peer-to-peer communications.

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