

Oct. 14, 2009 - Joseph M. Schmitt

Last Updated Thursday, 15 October 2009

Imaging inside the Coronary Arteries with Optical Coherence Tomography (OCT) Note: A Wednesday Meeting to be held at Boston University

Since it was first introduced over a decade ago, optical coherence tomography (OCT) has become a focus of biophotonics research around the world. A number of exciting advances, built on photonics technologies developed originally for the optical telecom industry, have fueled the development of the new OCT applications. With the mission of bringing OCT from the research lab to the patient's bedside, LightLab Imaging has pioneered the development and commercialization of OCT for guiding coronary interventions, particularly the implantation of stents. This presentation will review the basic principles of high-speed Fourier-domain OCT and review results of patient studies that illustrate the clinical utility of this new technology.

Joseph M. Schmitt

Dr. Schmitt received the B.S. degree in biomedical engineering/pre-medicine from Case Western Reserve University in 1981 and the M.S. and Ph.D. degrees in electrical engineering from Stanford University in 1983 and 1986, respectively. After serving as Biomedical Engineering Coordinator for a non-profit health-care foundation in China for two years, he co-founded a laboratory at the U.S. National Institutes of Health, where he worked as a Senior Staff Fellow. Dr. Schmitt joined the Hong Kong University of Science and Technology (HKUST) in 1994 as Associate Professor in the Department of Electrical Engineering where he also served as the Co-Director of the Center for Medical Diagnostic Technology. He left HKUST in 1998 to develop non-invasive optical technologies for patient monitoring at Nellcor Puritan-Bennett in Pleasanton, CA. He has held his present position as Chief Technology Officer of LightLab Imaging, Inc., since 2000.

Reservations:

DINNER reservations are required by noon, October 11, 2009, the Sunday before the meeting. MEETING ONLY reservations are required by noon, October 14, 2009, the day of the meeting.

Please make reservations online. Reservations may also be left on the answering machine at 617.584.0266. We no longer have an email address for reservations due to SPAM. When making reservation requests, please provide the following information:

- DINNER AND MEETING or meeting only
- Name(s) and membership status
- Daytime phone number where you can be reached (in case of change or cancellation)Location:

Boston University Photonics Center (9th floor Colloquium room)

8 Saint Mary's St.

Boston, MA [Map]Networking—5:45 PM, Dinner—6:30, Meeting—7:30 PM.Menu:

Dinner will include --- and coffee, tea, or milk.Vegetarian option available on request

Dinner Prices:

Members and their guests\$25.00 eachStudents\$15.00Non-members\$30.00 (See NOTE Below)

General Information on NES/OSA MeetingsCancellations and No-shows:If the meeting must be canceled for any reason, we will try to call you at the phone number you leave with your reservation. Official notice of cancellation will be on our answering machine.We have to pay for the dinners reserved as of the Tuesday before the meeting, so no-shows eat into our cash reserve. If you will not be able to attend, please let us know as early as possible. Otherwise, no-shows will be billed.Membership Rates:Regular members\$15.00Student membersfree NOTE: The extra \$5.00 of the non-member dinner fee can be used toward membership dues if the nonmember joins and pays dues for the current year at the meeting.