

iQ Signaallezing

ANNOUNCEMENT OF THE *Institute Quantivision* “SIGNAAL” LECTURE SERIES

What? Commercialization of OCT: Some Views on the Past, Present, and Future
Who? Eric Swanson, Entrepreneur
When? Thursday, January 14, Time: 16.00
Where? AMC, Lecture room 2
Host? Ton van Leeuwen, Institute Quantivision and BME & Physics



Dear colleagues,

We would like to invite you all to attend the first Institute Quantivision “Signaal” lecture that will be given on the 14th of January at 16.00. The motivation of the lecture series is to bridge beta sciences, technology and healthcare on quantitative image acquisition and analysis. The lectures will be given in the AMC, room Lecture room 2. After the presentations, drinks will be available. Please register at jetty.stam@amc.uva.nl.

Abstract

Optical Coherence Tomography (OCT) allows for high resolution imaging of superficial tissue structures. The commercialization and growth of OCT which has occurred over the past 25 years has been highly impactful, scientifically, clinically, and economically. Many factors have helped drive this success starting with the inherent attributes of the underlying technology and the clinical need for new cost-effective high-resolution minimally-invasive imaging solutions for various diagnostic and therapeutic applications. But equally important to this success was the intertwined ecosystem of researchers, professional societies, government agencies, government funding, regulatory bodies, entrepreneurs, venture capitalists, and small and large corporate entities within biomedical optics industry and in completely adjacent areas such as telecommunication, computer, and software industries. This talk will review some of the commercial history, current status, and briefly speculate on what looks like a very exciting future for OCT with so many novel technological advances and promising applications on the horizon.

Bio-sketch

Eric Swanson is a director, advisor, and participant in a variety of industrial, academic, entrepreneurial, government, and non-profit activities. Mr. Swanson serves as a director for Acacia Communications, Curata Incorporated, and NinePoint Medical. He is also research affiliate at the Massachusetts Institute of Technology, consultant at Draper Laboratory, catalyst at the MIT Deshpande Center for Technological Innovation, and is editor of OCT News (www.octnews.org). Mr. Swanson is a co-founder or founding board member of five companies which have evolved over time and collectively shipped far in excess of \$1B in products around the world. He is a Fellow of the OSA and senior member of the IEEE, has authored ~195 technical papers and conference presentations, holds ~36 US patents, and co-authored 6 book chapters. In 2002 he was a co-recipient of the Rank Prize in Opto-Electronics for pioneering work in the field of optical coherence tomography. In 2012 he was a co-recipient of the Champalimaud Award also for pioneering work in the field of optical coherence tomography. Mr. Swanson holds a B.S. summa cum laude in Electrical Engineering from the University of Massachusetts at Amherst and an M.S. in Electrical Engineering from the Massachusetts Institute of Technology.

Institute QuantiVision (www.quantivision.info) is a NWO Centre of Research Excellence within the Innovative Medical Devices Initiative (www.imdi.nl)