



Photonics Forum

March 29, 2017

*11:45 a.m. -
1:15 p.m.*

9th Floor

Room 901

Photonics Center

8 Saint Mary's Street

Lunch will be served!

Professor David Boas, Boston University

Speckle Fluctuations to Probe Dynamics on the Macroscopic to Microscopic Scales

Dr. David Boas will review recent advances and applications in Diffuse Correlation Spectroscopy, Laser Speckle Contrast Imaging, and Optical Coherence Tomography for measuring dynamics arising from cerebral blood flow and intra-cellular organelle motility.

David Boas is the Director of the Boston University Neurophotonics Center, and is a Professor of Biomedical Engineering. He received his B.S. in Physics at Rensselaer Polytechnic Institute and Ph.D. in Physics at the University of Pennsylvania. He is the founding President of the Society for Functional Near Infrared Spectroscopy and founding Editor-in-Chief of the journal Neurophotonics, published by SPIE. Dr. Boas was awarded the Britton Chance Award in Biomedical Optics in 2016 for his development of several novel, high-impact biomedical optical technologies in the neurosciences, as well as following through with impactful application studies, and fostering the widespread adoption of these technologies.

