

When: Friday 13:50 – 14:50

Where: ETB 1035

Speaker: Prof. Brian E. Applegate

Associate Professor
Department of Biomedical Engineering
College of Engineering
Texas A&M University



Title: Probing mechanical processing in the ear using Volumetric Optical Coherence Tomography and Vibrometry

Date: 11-03-2017

Abstract: TBA

Biography: Dr. Applegate received his B.S. in chemistry from Wright State University and his M.S. and Ph.D. in chemistry from The Ohio State University. After completing a postdoctoral fellowship in the Department of Chemistry at the University of North Carolina at Chapel Hill, working on water cluster growth in superfluid helium, he joined the Biophotonics group at Duke University directed by Prof. Joe Izatt. While at Duke, he won a National Institutes of Health NRSA postdoctoral fellowship award to support work in developing molecular imaging technologies. Upon completing his fellowship he joined the Department of Biomedical Engineering at Texas A&M University. He is currently an Associate Professor with research interests in technology development for optical and molecular imaging and optical diagnosis/monitoring of atherosclerosis and diseases of the ear. Research in his lab has been supported by grants from the Department of Defense CDMRP, National Institutes of Health, and the National Science Foundation, including an NSF CAREER award. He is a fellow of the Optical Society of American and serves as an Associate Editor for Optics Letters and IEEE Transactions on Medical Imaging.