



THE UNIVERSITY OF ARIZONA

Wyant College
of Optical Sciences

INDUSTRIAL AFFILIATES WORKSHOP

FACULTY SPEAKER PROFILE



KHANH KIEU, ASSOCIATE PROFESSOR OF OPTICAL SCIENCES

Tuesday, February 15, 2022 | 9:58 a.m.

Title: "Advances in Fiber Laser Based Multiphoton Microscopy"

Abstract: Ultrafast lasers which generate femtosecond or picosecond pulses are important tools in modern scientific research and technological applications. These lasers have been notorious for their high cost, bulkiness, and complexity in day-to-day operation. We have been improving these laser systems using optical fiber technology. It is now possible to build very compact, low cost, and reliable ultrafast fiber lasers working in a wide range of wavelengths. I will review the latest ultrafast fiber laser systems that we have developed for multiphoton microscopy.

Bio: Dr. Khanh Kieu is an associate professor at the Wyant College of Optical Sciences, The University of Arizona. He went to college in Saint Petersburg, Russia. He received a PhD degree from the College of Optical Sciences (UA) in 2007. Dr. Kieu then did a postdoctoral study at Cornell University for a couple of years before returning to UA as a faculty member. His main research interests are in laser physics, nonlinear optics, multiphoton microscopy, and precision measurements.



THE UNIVERSITY
OF ARIZONA

The University of Arizona
Wyant College of Optical Sciences
1630 E. University Blvd.
Tucson, AZ 85721
info@optics.arizona.edu
www.optics.arizona.edu