

# Joint IQSE AMO and Optica Seminar

Thursday, May 4th, 12:30 CDT, ZOOM&IQSE  
seminar room (MPHY 578)

Pizza will be served for IQSE members at 11:00. The talk will start around 11:30

**Doug Dykaar**

**Visiting Research Scientist and Distinguished Lecturer IQSE TAMU**

**Visiting Scientist in Electrical Engineering University of Waterloo**

**DifTek Lasers, Inc.**

## **Fiber-Optic Diffusers and Sensors**

Optical fibers have been used to transmit light with very low loss, but using the same technology to get light to interact with the environment as a fiber sensor has been problematic.

A new approach is shown to provide the capability for light to interact with the surrounding environment using a novel fiber geometry in a cost effective and sensitive way.

An example implementation of a fiber diffuser is presented.

### **ZOOM information:**

<https://tamu.zoom.us/j/99696662195?pwd=NIFUZFpvamR6YlBUUZROFVRReFhkQT09>

Meeting ID: 996 9666 2195

Passcode: 757350

162.255.37.11 (US West)

162.255.36.11 (US East)

Join by Skype for Business: <https://tamu.zoom.us/skype/99696662195>