

Fall 2007 SEMINAR SERIES

F21C Bioprocessing & Biosensing Center

• DIVISION OF FOOD SYSTEMS & BIOENGINEERING •

PRESENTER: **Xudong (Sherman) Fan**
Assistant Professor of Biological Engineering
University of Missouri – Columbia

TITLE: **Novel opto-fluidic ring resonator lasers**

ABSTRACT:

Microfluidic lasers are under intensive investigation for lab-on-a-chip devices and compact light sources. Here we introduce a novel versatile microfluidic laser based on opto-fluidic ring resonators (OFRRs) invented in our lab. We will show you how the OFRRs work, what their advantages in comparison with state-of-the-art microfluidic lasers, and how they can be applied in biosensing.

BIOGRAPHY:

Xudong Fan obtained Ph. D. in physics from Oregon Center for Optics, University of Oregon in 2000. He joined 3M immediately after graduation. During 2000 and 2004, he led a group at 3M-Austin on fiber optics and optical biosensor development. In August 2004, he joined the Biological Engineering Department at the University of Missouri at Columbia as an assistant professor. He is now leading a team to develop photonic bio/chemical sensors and nanobiosensors.

DATE • TIME • LOCATION:

Tuesday, November 13, 4:00 pm
Ag Eng Bldg 105 • Refreshments