



Florida Photonics Cluster – General Members Meeting

Wednesday, June 10, 2015

University of Central Florida; CREOL Optical Materials Laboratory (OML)

Presentations: Siemens Energy Center (<http://map.ucf.edu/locations/44/siemens-energy-center/>)

Tour: Optical Materials Lab - OML (behind Siemens Energy Center)

Agenda

Chair: Alex Fong, President

3:00pm – Welcome & Introductions – FPC Members, Guests, & Host

3:10pm -- FPC business (~15 minutes)

3:25pm -- Seminar on Fiber Optics; Dr. Axel Schülzgen, Professor of Optics, 407-823-1746, axel@creol.ucf.edu

3:50pm – Seminar on Microstructured Fibers and Devices; Dr. Rodrigo Amezcua Correa, Asst. Professor of Optics; 407-823-6853, r.amezcua@creol.ucf.edu

4:15pm – Overview of Optical Materials Lab & Glass Processing and Characterization Lab; Dr. Kathleen A. Richardson, Professor of Optics; 407-823-6815, kcr@creol.ucf.edu

5:00pm (approx.) – Tour of new OML facility

5:45pm (approx.) -- Reception & networking; hosted by CREOL and FPC

6:45pm (approx.) -- Adjourn. Go to no-host dinner at local restaurant: Peppino's Italian Restaurant: 100 Carrigan Ave., Oviedo (corner of Alafaya Trail & Carrigan, ~1/2 mile north of University Blvd on the right)

NOTE: More information on the faculty presenters, including their technical areas of activity and recent publications, is available on the CREOL website to help you find possible areas of common interest and possible collaboration/partnership opportunities. Go to <http://www.creol.ucf.edu/People/Directory.aspx?GrpID=1>, scroll down to the faculty member of interest, click on their name to access information on them and their research group.

Directions to Siemens Energy Center (SEC): See campus map via link above and map of the area provided in a separate document. Easiest route:

Alafaya Trail to Research Parkway to Libra Drive. Left on Libra; first turn to right is Ara Drive. The SEC building is at the end of Ara Drive, which is accessed from Libra Drive.

Parking: Parking lot spaces at the SEC are limited, but temporary parking is available in marked areas near the SEC. – see separate map, and some signs will be placed in the areas also.

The new Optical Materials Lab is adjacent to the Materials and Aerospace Engineering (MAE) lab and is located behind the SEC. See the write up and photo below.

One of the Townes Laser Institute's newest facility is the 4,000 square foot Optical Materials Laboratory (OML) Building. A \$1.7M project, the OML provides state-of-the-art laboratory fabrication and characterization capabilities for research in optical ceramics, IR glasses and glass-ceramics as well as optical fibers. It features dedicated ceramic laboratories with extensive powder processing and sintering equipment, IR glass and glass-ceramic advanced manufacturing, and a cutting-edge MOCVD fiber-preform fabrication laboratory. These laboratories also include dedicated analytical tools and post-processing capabilities and expand on student training opportunities in those areas.

The OML is located on the UCF main campus adjacent to labs of the the Mechanical and Aerospace Engineering (MAE) department, and in close proximity to the College of Optics and Photonics (CREOL), and local industrial partners.

