

Optics Applied
6th Annual COT Open House

Monday, 8 October 2007

Lehigh University, Rauch Business Center, Auditorium

7:30 am	Registration / Continental Breakfast
8:00 am	Opening Remarks Ms. Kim Trapp - COT Industry Liaison Officer
	Lehigh University – Research Directions Bruce E. Koel - Vice Provost of Research
	PLENARY SESSION
8:15 am	Invited Speaker: Ms. Dorothy Kaplan PA Deputy Secretary - Office of Business Assistance PA Department of Community and Economic Development
8:45 am	Invited Speaker: David F. Welch, Ph.D. Chief Strategy Officer & Founder, Infinera Corporation "Creating a Market Disruption with Advanced Technology"
9:30am	COT Research Overview & Status Report Prof. Tom Koch, COT Director
10:30am	Break
10:45am – 12:15pm	Tutorial #1 [Rauch #85]: Bio-Chem Sensors-Functionalizing Surfaces Prof. Dave Allara, Pennsylvania State University Tutorial #2 [Rauch #91]: Optical Non-linearities in Fiber for All-Optical Applications Prof. Jean Toulouse, Lehigh University
12:15pm – 1:00pm	Buffet Lunch
1:00pm – 2:30pm	Tutorial #3 [Rauch #85]: Photovoltaic & Solid State Lighting Technology Prof. Nelson Tansu, Lehigh University Tutorial #4 [Rauch #91]: Meta-Materials Prof. Doug Werner, Pennsylvania Sate University
2:30pm	Break
3:00pm – 4:30pm	Tutorial #5 [Rauch #85]: Silicon Nano Photonics Prof. Tom Koch, Lehigh University Tutorial #6 [Rauch #91]: Flexible Electronics & Displays Prof. Tom Jackson, Pennsylvania State University
4:30pm – 6:30pm	RECEPTION – Light Hors d'oeuvres & beverages Informal POSTER PRESENTATIONS

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Workshop A – “Advances in Laser-based Biophotonic Imaging & Diagnostics”
Prof. H. Daniel Ou-Yang, Chair

Tuesday, 9 October 2007
Rauch Business Center, Room #91

8:00am	Registration / Continental Breakfast
8:15am	Opening Remarks Ms. Kim Trapp – COT Industry Liaison Officer
8:30am	Introduction Prof. Daniel Ou-Yang, Lehigh University
8:45am	Invited Speaker: Nicholas B. George, Olympus America Inc.
9:15am	Invited Speaker: Christian Sandmann, Ph.D., BD Technology
9:45am	Break
10:00am	Invited Speaker: Ye Fang, Ph.D., Corning Inc. “BioPhotonics at Corning, Inc.: Sensing Cell Signaling In Time & Space”
10:30am	Invited Speaker: Michael Bender, Ph.D., Rohm and Haas Company
11:00am	PANEL DISCUSSION with Invited Speakers
12noon – 2pm	Buffet Lunch & Poster Session
2:00pm – 4:00pm	Workshop A – <i>continues</i> Speakers from Lehigh University & Pennsylvania State University Prof. Ahmed Heikal Prof. Ziwen Liu Prof. Peter Butler Prof. Erin Sheets Prof. Filbert Bartoli Prof. Boon Ooi Prof. Ivan Biaggio Prof. Daniel Ou-Yang

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**Workshop B – “Nano Photonics” [continued]
Prof. Tom Koch, Chair**

**Tuesday, 9 October 2007
Rauch Business Center, Room #85**

Session III: Nanoscale Localization & Patterned Substrates for UV Materials

- 1:30pm** **Invited Speaker: TBD**
- 2:15pm** **Prof. Volkmar Dierolf, Lehigh University**
“Nanoscale Localization in AlGaIn Using UV NSOM & Site-Selective Spectroscopy”
- 2:40pm** **Prof. Nelson Tansu, Lehigh University**
“Nanoengineered UV Materials and Sources”
- 3:05pm** **Break**

Session IV: Silicon Nano Photonics

- 3:20pm** **Invited Speaker: Yurii Vlasov, Physical Sciences Department, IBM Research**
“Silicon Integrated Nano Photonics for On-Chip Optical Interconnects”
- 4:05pm** **Prof. Tom Koch, Lehigh University**
”High-Q TM SOI resonators for Sensors & Sources”
- 4:30pm** **Prof. Volkmar Dierolf**
”TBD”