



## Fall 2014 Industrial Affiliates Workshop Agenda

### Thursday, October 23, 2014

7:45 a.m.	<b>Welcome Breakfast (By Invitation Only)</b>	8th Floor Breakout Area
8:45 a.m.	<b>Group Photo</b>	3rd Floor Lobby
9 a.m.	<b>Workshop Overview</b>	Meinel 307
9:05 a.m.	<b>Faculty and Student Presentations</b>	Meinel 307
9:05-9:50 a.m.	James Wyant (1.1) Keynote – “Optical Sciences Center/College of Optical Sciences – 50 Years of Excellence”	
9:50-10:15 a.m.	Dae Wook Kim (1.2) " Three giants sailing across the Universe "	
10:15-10:30 a.m.	Tianquan Su (1.3) " Guiding the fabrication of an astronomical mirror with a heated metal wire "	
10:30 a.m.	<b>Refreshment Break</b>	3rd Floor Lobby
10:50 a.m.	<b>Faculty and Student Presentations</b>	Meinel 307
10:50-11:05 a.m.	Christine Bradley (2.1) "Polarized Bidirectional Reflectance Distribution function calculated for multiply reflected light in Fresnel Reflection Model"	
11:05-11:40 a.m.	John Greivenkamp (2.2) " Interferometry and Ophthalmics "	
11:40-12:05 p.m.	Jason Micali (2.3) " Dynamic measurement of the corneal tear film with a Twyman-Green interferometer "	
12:15 p.m.	<b>Lunch and Industrial Affiliate Elevator Speeches (RSVP only)</b>	Arizona Stadium Club
1:20 p.m.	<b>Poster Session</b>	Arizona Stadium Club
2:00 p.m.	<b>Set-up for Corporate Showcase</b>	Arizona Stadium Club
4-6 p.m.	<b>Corporate Showcase and Career Fair</b>	Arizona Stadium Club
6-7 p.m.	<b>Dinner</b>	Arizona Stadium Club
7:30 p.m.	<b>Public Lecture - Olivier Guyon</b> "Searching for Habitable Worlds and Life in the Universe with Optics"	ILC 120

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8 a.m.	<b>Continental Breakfast</b>	3rd Floor Lobby
8:30 a.m.	<b>Faculty and Student Presentations</b>	Meinel 307
8:30-8:55 a.m.	Arthur F. Gmitro (3.1) "Optical Imaging in Ovarian and Breast Cancer"	
8:55-9:10 a.m.	Tao Ge (3.2) " High contrast and metal-less alignment process for all-polymer optical interconnect devices"	
9:10-9:25 a.m.	Tzu-Yu Wu (3.3) "Development of confocal microendoscopy for pre-cancer detection"	
9:25-9:40 a.m.	Isela Howlett (3.4) "Volume Holographic Imaging: an Endoscopic Approach"	
9:40-9:55 a.m.	Dmitriy Churin (3.5) " Efficient frequency comb generation in the 9 $\mu$ m region using compact fiber sources"	
10:00 a.m.	<b>Guided Laboratory Tours</b> (See lab tour listing)	Meet in 3rd Floor Lobby
10:45 a.m.	<b>Return to Meinel Building for Refreshments</b>	3rd Floor Lobby
11:15 a.m.	<b>Student Five-Minute Presentations</b>	Meinel 307
11:15-11:20 a.m.	Olivia Fehlberg (4.1) "Waveguide Fabrication Processes for Photonic Devices"	
11:20-11:25 a.m.	Jacob Segal (4.2) "Optical Fabrication of Light-weighted 3D Printed Mirrors"	
11:25-11:30 a.m.	Cecile Chaix (4.3) "Design and fabrication of a pre-clinical adaptive SPECT imaging system: AdaptiSPECT"	
11:30-11:35 a.m.	Andrey Alenin (4.4) "Partial Mueller Matrix Polarimetry"	
11:35-11:40 a.m.	Shelby Vorndran (4.5) "Cost/Watt Analysis of Luminescent Photovoltaic Modules with Holographic Light Trapping Filters"	
11:40-11:45 a.m.	Anael Guilmo (4.6) "Aerosol Optical Depth retrieval from the space-borne CALIPSO lidar ocean surface reflections"	
11:45-11:50 a.m.	Sander Zandbergen (4.7) "Quantum Nano Optics of Semiconductors: Past, Present, and Future"	
11:50-11:55 a.m.	Tyler Hashimoto and Brandon Hellman (4.9) "3-Color Animated Holography"	
12:00 p.m.	<b>Workshop Evaluation and Feedback Session</b>	Meinel 307
12:30 p.m.	<b>Pizza Party Lunch and Farewell</b>	3 <sup>rd</sup> Floor Lobby
1:00 p.m.	<b>Individual Company Interviews and (End of Formal Workshop)</b>	