



THE UNIVERSITY OF ARIZONA COLLEGE OF OPTICAL SCIENCES

INDUSTRIAL AFFILIATES WORKSHOP

TUESDAY, APRIL 10, 2018

PROGRAM TIME	EVENT	LOCATION
7:45 a.m.	Welcome Breakfast	8th Floor Breakout Area
8:45 a.m.	Group Photo	3rd Floor Lobby
9:00 a.m.	Workshop Welcome	Meinel 307
9:15 a.m.	Strategic Planning 2018 - Peter F. Hallett, SPIE "Global photonics market size, trends, and hot topics in 2018"	
9:30 a.m. 9:30 - 10:00 a.m.	Research Presentation Pierre Lucas, Professor of Materials Science & Engineering, Professor of Optical Sciences, Director of Infrared Glass and Sensors Lab "Chalcogenide glass sensors for molecular detection"	
10:00 a.m.	Break	
10:30 a.m. 10:30 a.m. - 10:45 a.m.	Research Presentations Continued Adam Abdelatif, M.S. student (Advisor: Jeff Czapla-Myers) "Prism Spectrometer Analysis for Field Use"	Meinel 307
10:45 - 11:00 a.m.	Chase Salisbury, Ph.D. student (Advisor: Jim Schwiegerling) "Coherence Scanning Modality of Spectrally Controlled Interferometry"	
11:00 - 11:15 a.m.	Lisa Li, Ph.D. student (Advisor: Russell Chipman) "Short-Wave Infrared Mueller Matrices and Polarization Parameters for in vivo Skin Surface Reflectance"	
12:00 p.m.	Lunch	Eddie Lynch Athletic Pavilion
1:15 p.m. 1:15 - 2:00 p.m.	Plenary - Industrial Affiliate Presentation Arun Venkataraman, ASML & Paul Hess, Cymer "Lighting the way to 7nm lithography"	Meinel 307



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PROGRAM TIME	EVENT	LOCATION
2:00 p.m. 2:00-2:15 p.m.	Research Presentations Travis Sawyer, Ph.D. Student (Advisor: Jennifer Barton) "Evaluation of Segmentation algorithms for optical coherence tomography images of ovarian tissue"	Meinel 307
2:15-2:30 p.m.	Benjamin Crome, Ph.D. Student (Advisor: Khanh Kieu) "Pancreatic Cancer Cell Detection by Target Lipid Microbubbles and Multiphoton Imaging"	
2:30-2:45 p.m.	Ross Uthoff, Ph.D. Student (Advisor: Rongguang Liang) "Smartphone-based imaging systems for oral cancer detection"	
2:45-2:55 p.m.	Student Optics Chapter - "Laser Fun Day recap"	
2:55-3:05 p.m.	Women in Optics—"Launching your Career recap"	
3:05 p.m.	Break	3rd Floor Lobby
3:30 p.m. 3:30-4:00 p.m.	Continue Presentations Amit Ashok, Associate Professor, Optical Sciences and Assistant Professor of Electrical and Computer Engineering *Title to be announced closer to publish date	Meinel 307
4:00-4:15 p.m.	Nicolas Colon, B.S. Student (Advisor: David Harrington, NSO Polarimetry) "DKIST Spectropolarimeter Upgrades and Characterization"	
4:15-4:30 p.m.	Jeffrey Davis, Ph.D. Student (Advisor: Russell Chipman) HabEx Polarization Ray Trace and Aberration Analysis	
4:30 p.m.	Review of Presentations	Meinel 307
5:30 p.m.	Let's "Taco" about your Research Student Poster Presentations Join us in the 3rd Floor lobby for a fiesta of amazing OSC Student Research. Delicious Mexican themed refreshments will be served while you "feast" on exciting new optical discoveries.	3rd Floor Lobby



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WEDNESDAY, APRIL 11, 2018

PROGRAM TIME	EVENT	LOCATION
8:00 a.m. 9:00 a.m.	Continental Breakfast Open Labs (Labs listed in binder, tab #8)	3rd Floor Lobby
9:00 a.m. 9:00-9:30 a.m.	Research Presentations DongKyun Kang, Assistant Professor, Optical Sciences and Biomedical Engineering Low-cost in vivo confocal microscopy for cancer diagnosis	Meinel 307
9:30-10:00 a.m.	Jonathan D. Ellis, Associate Professor, Optical Sciences "Optomechanical System and Instrumentation Research & Education at UA"	
10:00 a.m.	Break	3rd Floor Lobby
10:30 a.m.	Breakout session in Optical Sciences Academic Program R. John Koshel, Associate Dean of Academics, College of Optical Sciences "Update on College of Optical Sciences Undergraduate and Graduate Academic Programs"	Meinel 307
12:00 p.m.	Farewell Pizza Party Lunch	3rd Floor Lobby

Thank you for joining us!



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