



THE UNIVERSITY OF ARIZONA


Wyant College  
of Optical Sciences

# INDUSTRIAL AFFILIATES WORKSHOP

**MONDAY, FEBRUARY 19, 2024**

PROGRAM TIME	EVENT	LOCATION
10:00 AM - 1:00 PM	<b>IA Corporate Showcase Set Up</b>	Bear Down Gym (next to Main Library)
1:00 PM - 3:00 PM	<b>Student Poster Sessions with Networking &amp; Snacks</b>	
3:00 PM - 6:00 PM	<b>IA Member Corporate Showcase</b>	
6:00 PM - 7:30 PM	<b>Dinner</b>	Arizona Sands, Dunlap Club (inside the UA Stadium)
7:30 PM - 8:00 PM	<b>Showcase Breakdown &amp; Pack Up</b>	

**Scan for Website**



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OF ARIZONA

The University of Arizona  
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# INDUSTRIAL AFFILIATES WORKSHOP

TUESDAY, FEBRUARY 20, 2024

PROGRAM TIME	EVENT	LOCATION
7:45 AM	<b>Welcome Breakfast</b>	Meinel 3rd Floor Patio
8:45 AM	<b>Group Photo</b>	Meinel 3rd Floor Patio
9:00 AM - 9:36 AM	<b>Welcome and Wyant College of Optical Sciences Update</b> Tom Koch, Dean, Wyant College of Optical Sciences	Meinel 307
9:37 AM - 9:57 AM	<b>Faculty Presentation, Image Science</b> Amit Ashok, Professor of Optical Sciences "Seeing Beyond the Diffraction-limit"	
9:58 AM - 10:18 AM	<b>Faculty Presentation, Image Science</b> Meredith Kupinski, Assistant Professor of Optical Sciences "Towards a Polarization Imaging Pipeline for Computer Vision"	
10:19 AM - 10:31 AM	<b>Student Presentation, Image Science</b> Micaehla May, PhD Student   Advisor: Lars Furenlid "Design and Characterization of Adaptive Multi-Pinhole Apertures for SPECT"	
10:32 AM - 10:44 AM	<b>Student Presentation, Image Science</b> Quinn Jarecki, PhD Student   Advisor: Meredith Kupinski "Optimizing Near-Infrared Polariscopic Imaging for the Living Human Eye"	
10:45 AM - 10:55 AM	<b>Break</b>	Meinel 3rd Floor Patio
10:56 AM - 11:16 AM	<b>Faculty Presentation, Photonics</b> Daniel Soh, Associate Professor of Optical Sciences "Squeezed Light and Quantum Optical Machine Learning"	Meinel 307
11:17 AM - 11:29 AM	<b>Student Presentation, Photonics</b> Alaa Hamdoh, PhD Student   Advisor: Stanley Pau "Polarization Properties and Umov Effect of Human Hair"	
11:30 AM - 11:42 AM	<b>Student Presentation, Photonics</b> Aileen Zhai, PhD Student   Advisor: Matt Eichenfield "MEMS-Enabled Control of Artificial Atoms in Diamond Microcavities"	



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# INDUSTRIAL AFFILIATES WORKSHOP

## TUESDAY, FEBRUARY 20, 2024 CONT'D

PROGRAM TIME	EVENT	LOCATION
11:43 AM - 11:59 AM 12:00 PM - 1:15 PM 1:15 PM - 1:30 PM	Walk to Arizona Sands, Dunlap Club <b>Lunch</b> Return to Meinel	Arizona Sands, Dunlap Club (inside the UA Stadium)
1:30 PM - 1:50 PM	<b>Faculty Presentation, Optical Engineering</b> Rongguang Liang, Professor of Optical Sciences "Illuminating the Future of Optical Fabrication: Innovations and Challenges in Additive Manufacturing in Glass Optics"	Meinel 307
1:51 PM - 2:03 PM	<b>Student Presentation, Optical Engineering</b> Andrea Nelson, PhD Student   Advisor: Felipe Guzman "Novel Optomechanical Accelerometers for Low Frequency Inertial Sensing"	
2:04 PM - 2:16 PM	<b>Student Presentation, Optical Engineering</b> Alex Lu, PhD Student   Advisor: Hong Hua "Design and Characterization of a Varifocal Camera System with an Extended Depth of Field and Focal Range"	
2:17 PM - 2:37 PM	<b>Faculty Presentation, Optical Physics</b> Rolf Binder, Professor of Optical Sciences and Physics "Excitons and Surface Waves in Two-dimensional-semiconductor Heterostructures"	
2:38 PM - 2:50 PM	<b>Student Presentation, Optical Physics</b> John McCauley, PhD Student   Advisor: Jason Jones "Ultraviolet Dual-Comb Spectroscopy"	
2:51 PM - 3:03 PM	<b>Student Presentation, Optical Physics</b> Mitul Dey Chowdhury, PhD Student   Advisor: Dalziel Wilson "Cryogenic Membrane-based Optomechanical Accelerometry"	
3:04 PM - 3:24 PM	<b>Break</b>	Meinel 3rd Floor Patio
3:25 PM - 3:30 PM	<b>Industry Update</b> Kent Rochford, CEO, SPIE	Meinel 307
3:30 PM - 3:40 PM	<b>Student Group Reports - SOCK and WiO</b>	
3:40 PM - 4:16 PM	<b>Student Rapid Fire Presentations</b> (5-minute presentations)	
4:16 PM - 5:30 PM	<b>Lab Tours - Open</b>	



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# INDUSTRIAL AFFILIATES WORKSHOP

**WEDNESDAY, FEBRUARY 21, 2024**

PROGRAM TIME	EVENT	LOCATION
8:00 AM - 9:00 AM	<b>Networking Breakfast</b>	Meinel 3rd Floor Patio
9:00 AM - 5:00 PM	<b>Student Interviews</b>	Set up in Advance
11:30 AM - 1:00 PM	<b>Farewell Pizza Party &amp; Outreach Class Demonstrations</b>	Meinel 3rd Floor Patio

**Tell Us How We Did!**

<p><b>Scan for IA Event Evaluation</b></p> 	<p><b>Scan for OSC Academic Programs Evaluation</b></p> 
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