



THE UNIVERSITY OF ARIZONA
Wyant College
of Optical Sciences

INDUSTRIAL AFFILIATES WORKSHOP

MONDAY, FEBRUARY 20, 2023

PROGRAM TIME	EVENT	LOCATION
10:00 AM - 1:00 PM	IA Corporate Showcase Set Up	Student Union- Grand Ballroom
1:00 PM - 3:00 PM	Student Poster Sessions with Networking & Light Lunch	
3:00 PM - 6:00 PM	IA Member Corporate Showcase	
6:00 PM - 7:30 PM	Dinner	
7:30 PM - 9:00 PM	Showcase Breakdown & Pack Up	



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INDUSTRIAL AFFILIATES WORKSHOP

TUESDAY, FEBRUARY 21, 2023

PROGRAM TIME	EVENT	LOCATION
7:45 AM	Welcome Breakfast	Meinel 3rd Floor Patio
8:30 AM	Group Photo	Meinel 3rd Floor Patio
8:45 AM - 9:00 AM	Workshop Welcome Thomas Koch, Dean of the Wyant College of Optical Sciences	Meinel 307
9:00 AM - 9:15 AM	SOCK and WiO Presentation Sebastian Magri and Jaclyn John	
9:17 AM - 9:57 AM	Keynote Speaker Matthew Eichenfield, SPIE Endowed Chair in Optical Sciences & Associate Professor of Optical Sciences "Piezoelectric Microsystems for Classical and Quantum Information Processing"	
9:58 AM - 10:18 AM	Faculty Presentation Jack Manley, Postdoctoral Research Associate "Searching for Vector Dark Matter with an Optomechanical Accelerometer"	
10:19 AM - 10:31 AM	Student Presentation Jacob Barker, PhD student "Ultrafast Parametric Laser Sources in MIR and LWIR for Filamentation Research"	
10:32 AM - 10:44 AM	Student Presentation Khawlah AlYahyaeei, PhD student "Low-Quantum-Defect Single Frequency Fiber Laser"	
10:45 AM - 10:55 AM	Break	Meinel 3rd Floor Patio
10:56 AM - 11:16 AM	Faculty Presentation Tom Milster, Professor of Optical Sciences "MODE Lenses for Space Telescopes"	Meinel 307
11:17 AM - 11:29 AM	Student Presentation Nick Brar, PhD student "Development of Glass Molding Technology for the MODE Lens Telescope"	
11:30 AM - 11:42 AM	Student Presentation Kevin Derby, PhD student "Pinwheels: a Curved Aperture Segmentation Topology for Improved Astrophysical Science on Future Observatories"	



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TUESDAY, FEBRUARY 21, 2023 CONT'D

PROGRAM TIME	EVENT	LOCATION
11:43 AM - 11:59 AM	Walk to Student Union	Student Union - Grand Ballroom
12:00 PM - 1:15 PM	Lunch	
1:15 PM - 1:30 PM	Return to Meinel	
1:30 PM - 1:50 PM	Faculty Presentation DK Kang, Assistant Professor of Optical Sciences "Low-cost, In Vivo Microscopy"	Meinel 307
1:51 PM - 2:03 PM	Student Presentation Kenneth Lang, PhD student "Lens-Free Time-Gated Fluorescence Microscopy"	
2:04 PM - 2:16 PM	Student Presentation Natalie Shultz, PhD student "Particle Population Analysis for Automated Assembly Using Optical Tweezers"	
2:17 PM - 2:37 PM	Faculty Presentation David Brady, J.W. and H.M. Goodman Endowed Chair in Optical Sciences and Professor of Optical Sciences "Ptychographic Array Cameras for Synthetic Aperture Lidar"	
2:38 PM - 2:50 PM	Student Presentation Zhipeng Dong, PhD student "Scatter Ptychography"	
2:51 PM - 3:09 PM	Break	Meinel 3rd Floor Patio
3:10 PM - 4:00 PM	Student Rapid Fire Presentations (Ten 5-minute presentations)	Meinel 307
4:00 PM - 5:30 PM	Lab Tours - Open	



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WEDNESDAY, FEBRUARY 22, 2023

PROGRAM TIME	EVENT	LOCATION
8:00 AM - 9:00 AM	Networking Breakfast	Meinel 3rd Floor Patio
9:00 AM - 11:30 AM	Student Interviews	Set up in Advance
9:00 AM - 11:30 AM	Lab Tours - Upon Request	Set up in Advance
11:30 AM - 1:00 PM	Farewell Pizza Party & Outreach Demos	Meinel 3rd Floor Patio



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