



THE UNIVERSITY OF ARIZONA


Wyant College
of Optical Sciences

INDUSTRIAL AFFILIATES WORKSHOP

MONDAY, FEBRUARY 17, 2025

PROGRAM TIME	EVENT	LOCATION
10:00 AM - 1:00 PM	IA Corporate Showcase Set Up	Bear Down Gym (next to Main Library)
1:00 PM - 3:00 PM	Student Poster Sessions with Networking & Snacks	
3:00 PM - 6:00 PM	IA Member Corporate Showcase	
6:00 PM - 7:30 PM	Dinner	Bear Down Gym (next to Main Library)
7:30 PM - 8:00 PM	Showcase Breakdown & Pack Up	

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OF ARIZONA

The University of Arizona
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INDUSTRIAL AFFILIATES WORKSHOP

TUESDAY, FEBRUARY 18, 2025

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 - 8:55 AM	Welcome and Wyant College of Optical Sciences Update Tom Koch, Dean, Wyant College of Optical Sciences	Meinel 307
9:00 AM - 9:20 AM	Faculty Presentation, Optical Engineering Felipe Guzman, Jack Lee Jewell Endowed Chair and Professor of Optical Sciences "Optomechanical Inertial Sensors and their Applications to Earth and Planetary Science"	
9:21 AM - 9:33 AM	Student Presentation, Optical Engineering Pengzhuo Wang, PhD Student Advisor: Felipe Guzman "Laser Frequency Stabilization Using Iodine-filled Hollow-core Photonic Crystal Fiber Cell"	
9:34 AM - 9:46 AM	Student Presentation, Optical Engineering Yuanyuan Sun, PhD Student Advisor: Rongguang Liang "3D-printed Common-view-point Panoramic Colonoscopy with Freeform Optics and Stereo Vision"	Meinel 3rd Floor Patio
9:47 AM - 9:57 AM	Break	Meinel 307
9:58 AM - 10:18 AM	Faculty Presentation, Photonics Judy Su, Craig M. Berge Faculty Fellow, Associate Professor of Optical Sciences and Biomedical Engineering "Ultra-Sensitive, Selective, and Label-Free Optical Sensing for Fundamental Science, Environmental Monitoring, and Translational Medicine"	
10:19 AM - 10:31 AM	Student Presentation, Photonics Alex Wendt, PhD Student Advisor: Matt Eichenfield "World's First Solid State Phonon Laser"	
10:32 AM - 10:44 AM	Student Presentation, Photonics Jake Freedman, PhD Student Advisor: Matt Eichenfield "Integrated Acousto-Optics for Atomic Qubit Control"	
10:45 AM - 11:45 AM	Student Rapid Fire Presentations (5-minute presentations)	
11:46 AM - 11:59 AM	Walk to Bear Down Gym	Bear Down Gym
12:00 PM - 1:15 PM	Lunch	(next to Main Library)
1:16 PM - 1:30 PM	Return to Meinel	



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INDUSTRIAL AFFILIATES WORKSHOP

TUESDAY, FEBRUARY 18, 2025 CONT'D

PROGRAM TIME	EVENT	LOCATION
1:31 PM - 2:40 PM	AI in the Optics Ecosystem, Panel	Meinel 307
2:41 PM - 3:01 PM	Faculty Presentation, Optical Physics Kanu Sinha, Assistant Professor of Optical Sciences and Physics "Engineering Atom-photon Interactions in Nanoscale and Waveguide-coupled Quantum Systems"	
3:02 PM - 3:14 PM	Student Presentation, Optical Physics Mohsen Izadyari, Postdoctoral Scholar Advisor: Kanu Sinha "Near-surface Quantum Sensing"	
3:15 PM - 3:27 PM	Student Presentation, Optical Physics Jennifer Parra-Contreras, PhD Student Advisor: Kanu Sinha "Generation of Many-body Entangled Atomic States in Waveguide-Coupled Atomic Arrays"	
3:28 PM - 3:48 PM	Faculty Presentation, Image Science Travis Sawyer, Assistant Professor of Optical Sciences and Electrical and Computer Engineering "Applying Polarization-sensitive Imaging to Improve our Understanding of Brain Microstructure"	
3:49 PM - 4:01 PM	Student Presentation, Image Science Chiao Huang, PhD Student Advisor: Matthew Kupinski "Simulation and Optimization of Gamma-Ray Imaging Systems for Targeted Alpha Cancer Therapy"	
4:02 PM - 4:14 PM	Student Presentation, Image Science Shuyuan Guan, PhD Student Advisor: Travis Sawyer "Optical Phenotyping Using Label-Free Microscopy and Deep Learning"	
4:15 PM - 4:30 PM	Break	Meinel 3rd Floor Patio
4:31 PM - 4:36 PM	Industry Update John Yoon, Director of Technology Outreach, SPIE	Meinel 307
4:37 PM - 4:47 PM	Student Group Reports - SOC and OFA Francisco Calixtro, SOC Outreach Chair and Paola Luna, OFA President	
4:45 PM - 6:00 PM	Lab Tours - Open	Meinel & GCRB Buildings

Scan for a list of open labs





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INDUSTRIAL AFFILIATES WORKSHOP

WEDNESDAY, FEBRUARY 19, 2024

PROGRAM TIME	EVENT	LOCATION
8:00 AM - 9:00 AM	Networking Breakfast	Meinel 3rd Floor Patio
9:00 AM - 5:00 PM	Student Interviews	Set up in Advance
11:30 AM - 1:00 PM	Farewell Pizza Party	Meinel 3rd Floor Patio

Tell Us How We Did!
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