

ARIZONA PHOTONICS DAYS JANUARY 29-31, 2020

PRESENTED BY



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HOSTED BY



AGENDA

Wednesday, January 29 – Aloft Tucson University

6:00-7:30 pm Registration & Welcome Reception

Thursday, January 30 – UArizona BIO5 Institute, Keating Building, Room 103

7:30 am Registration

8:00 am Welcome and VIP Introductions

8:30 am **Sensing and Metrology Technical Presentation 1:** The Solid-State Paradigm Shift in Gas Sensing Technologies. **Presenting Author:** Jeff Baymor, CEO of Nova-IR Inc. and CEO of SenseAir North America, Inc., USA

9:00 am **Sensing and Metrology Technical Presentation 2:** MicroNano Imprint - Wafer-scale Folded Micro-optical Interconnects. **Presenter:** Christian Bosshard, PhD, Vice President at CSEM & Head of Center Muttentz, Switzerland

9:30 am Company Pitches

10:00 am Networking Break

10:30 am **Laser Technology Technical Presentation 1:** Optimized Laser Material Processing with Tailored Focal Intensity Distributions. **Presenter:** Steffen Schneider, asphericon, Inc., USA

11:00 am **Sensing and Metrology Technical Presentation 3:** Shifting Paradigms in Fiber Optic Sensing Using Integrated Photonics. **Presenting Author:** Rolf Evenblij, Program Manager, Technobis Group, The Netherlands

11:30 am Company Pitches

12:00 pm Industry Organization Presentations: GPA, OSA, SPIE

12:30 pm Lunch & Networking

1:30 pm **Laser Technology Technical Presentation 2:** Variable Shaped Beam Lithography for Photonics and Optics Applications. **Presenter:** John Whittey, Business Development Manager, Vistec Electron Beam GmbH, Germany and USA

2:00 pm **Astronomy Technical Presentation 1:** Applications of a Non-destructive Readout CMOS Visible Image Sensor to Survey Potentially Hazardous Asteroids Using Optimized Ground based Telescopes. **Presenting Author:** Dr. Gary Sims. Co-founder, President and Chief Technical Officer of Spectral Instruments, Inc., USA

2:30 pm Company Pitches

3:00 pm Networking Break

3:30 pm **Astronomy Technical Presentation 2:** Making Mirrors for Giant Telescopes, Current Mirror Technologies and How Advances are being Used to Build Telescopes of 25 to 39 Meters. **Presenter:** Hubert M. (Buddy) Martin, Project Scientist at the Steward Observatory, Associate Research Professor of Optical Sciences, UArizona, USA

4:00 pm **Astronomy Technical Presentation 3:** The Large Synoptic Survey Telescope - Concept to Construction. **Presenter:** Richard Green, Steward Observatory, UArizona, USA

4:30 pm Company Pitches

5:00-7:00 pm Catered Reception & Showcase of UArizona Innovations in BIO5 Lobby

Friday, January 31 – UArizona BIO5 Institute, Keating Building, Room 103

7:30 am	Registration
8:00 am	Photonics Clusters Presentations
8:30 am	Astronomy Technical Presentation 4: Watching the Skies: Searching for Asteroids and Comets that Approach the Earth. Presenter: Andre Wong, University of Arizona's Department of Planetary Sciences and Lunar and Planetary Laboratory, USA
9:00 am	Laser Technology Technical Presentation 3: Ultra-short Pulse NIR and SWIR Laser Diode Illuminators for Automotive Lidar. Presenting Author: Brian Caliva, Lasertel, Inc., USA
9:30 am	Company Pitches
10:00 am	Networking Break
10:30 am	Laser Technology Technical Presentation 4: Optimizing the CO ₂ Laser cutting Behavior of Polycarbonate. Presenting Author: Dr. Julia Janik, Novanta Europe GmbH, Germany
11:00 am	Laser Technology Technical Presentation 5: Eye-safe SBS-free Single-Mode Fiber Laser with Millijoule Energy and High Average Power. Presenting Author: Mehmetcan Akbulut, PhD, Director of Amplifiers and Custom Laser Systems, NP Photonics Inc., USA
11:30 am	Company Pitches
12:00 pm	Photonics Clusters Presentations
12:30 pm	Lunch & Networking
1:30 pm	Biomedical Technology Technical Presentation 1: Photonics: A New Gold Standard for Reliable in-vitro Diagnostics (IVDs). Presenting Author: Mario Blanco, PhD, CEO, NANOPEC, Inc., USA
2:00 pm	Biomedical Technology Technical Presentation 2: Medical Imaging with Good Vibrations. Presenter: Russell S. Witte, Ph.D. Professor of Medical Imaging, Biomedical Engineering, Optical Sciences Sarver Heart Center Arizona Cancer Center School of Mind, Brain, and Behavior University of Arizona Bio-Science Research Lab (BSRL), USA
2:30 pm	Company Pitches
3:00 pm	Networking Break
3:30 pm	Sensing and Metrology Technical Presentation 4: Compact High Performance Image Sensor Assemblies for Multispectral and Hyperspectral Imaging and Spectroscopy. Presenter: Hugh Garvey, President, EOITech, a division of Salvo Technologies, USA
4:00 pm	Biomedical Technology Technical Presentation 3: Accommodating Intraocular Lens Implant Using a Novel Applanating Variable Focus Lens System. Presenter: Sean McCafferty, MD, FACS, MS, CEO Conexus Lens, Inc., USA
4:30 pm	Company Pitches
5:00-6:00 pm	Closing Remarks & Networking

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