

# ARIZONA PHOTONICS DAYS

JANUARY 29-31, 2020

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## 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 **Astronomy Technical Presentation 1:** To be announced

2:00 pm **Astronomy Technical Presentation 2:** 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 3:** 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 4:** 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	<b>Laser Technology Technical Presentation 2:</b> Variable Shaped Beam Lithography for Photonics and Optics Applications. <b>Presenter:</b> Kevin Grens, Business Development Manager, Vistec Electron Beam GmbH, Germany and USA
9:00 am	<b>Laser Technology Technical Presentation 3:</b> Title: Ultra-short Pulse NIR and SWIR Laser Diode Illuminators for Automotive Lidar. <b>Presenting Author:</b> B. Caliva, Lasertel, Inc., USA
9:30 am	Company Pitches
10:00 am	Networking Break
10:30 am	<b>Laser Technology Technical Presentation 4:</b> Optimizing the CO <sub>2</sub> Laser cutting Behavior of Polycarbonate. <b>Presenting Author:</b> Dr. Julia Janik, Novanta Europe GmbH, Germany
11:00 am	<b>Laser Technology Technical Presentation 5:</b> Eye-safe SBS-free Single-Mode Fiber Laser with Millijoule Energy and High Average Power. <b>Presenting Author:</b> 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	<b>Biomedical Technology Technical Presentation 1:</b> Photonics: A New Gold Standard for Reliable in-vitro Diagnostics (IVDs). <b>Presenting Author:</b> Mario Blanco, PhD, CEO, NANOPEC, Inc., USA
2:00 pm	<b>Biomedical Technology Technical Presentation 2:</b> To be announced
2:30 pm	Company Pitches
3:00 pm	Networking Break
3:30 pm	<b>Sensing and Metrology Technical Presentation 4:</b> Compact High Performance Image Sensor Assemblies for Multispectral and Hyperspectral Imaging and Spectroscopy. <b>Presenter:</b> Hugh Garvey, President, EOITech, a division of Salvo Technologies, USA
4:00 pm	<b>Biomedical Technology Technical Presentation 3:</b> Accommodating Intraocular Lens Implant Using a Novel Applanating Variable Focus Lens System. <b>Presenter:</b> 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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