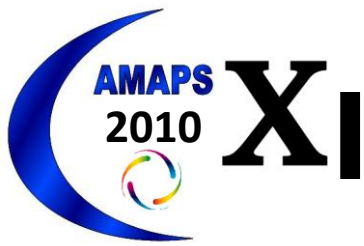


Advanced Microelectronics and Photonics for Space (AMAPS) Review & SBIR Forum

8 JUNE Tuesday

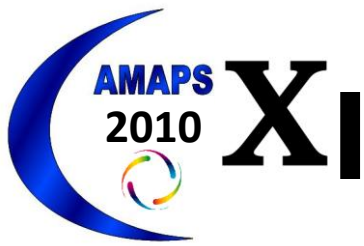
| Time | Presenter | Title |
|-----------|--|--|
| 7:30 | <i>Registration</i> | <i>Continental Breakfast</i> |
| 8:00 | Doug Craig, AFRL/RVSE | Welcome |
| 8:05 | Peter Guilfoyle OptiComp Corporation | Opening remarks |
| 8:10 | | |
| 8:20 | James D Stegeman NASA GRC-RHNO | NASA's SBIR effort related to Comm & Nav |
| 8:50 | | |
| 9:30 | Don Kaiser, UIE Inc. (AFRL/RVOP) | Why Photonics? |
| 9:50 | Sarry Habiby, Telcordia Inc. and Michael Hackert, NAVAIR/Naval Air Systems | Standardized Aerospace Application of Wavelength Division Multiplexing (WDM) to Local Area Networking (LAN)" |
| 10:10 | <i>BREAK</i> | |
| 10:30 | Ryan Feeler, Ph.D. Northrop Grumman–Cutting Edge Optronics | Laser Innovation: Northrop Grumman Interaction with SBIR Contractors. |
| 11:00 | Miriam Rauch, CEO Nu-Trek, Inc. | Parts for nuclear event detection & circumvention |
| 11: 20 | Thomas D. Mino, CEO Reflex Photonics Inc. | Optically Enhanced Backplanes |
| 12:00 | <i>LUNCH SERVED</i> | |
| 1:00 | Don Kaiser, UIE Inc. (AFRL/RVOP) | Fiber Optic Links and Networks SAE AS-1393 Serial Hi-Rel Ring Network |
| 1:30 | Michael Davis Zarlink Semiconductor | Optoelectronics for Military Applications |
| 2:00 | | |
| 2:20 | Chuck Tabbert, UltraComm Inc. | JEDEC 13.6 Fiber Optic Committee Status |
| 2:40 | <i>BREAK</i> | |
| 3:00 | | |
| 3:20 | Prof. G.W.Taylor, Ph.D. ODIS, Inc. | Applications of POET to RF Photonic T/R Analog / Digital Links for Phased Arrays |
| 3:40 | | |
| 4:00 | <i>Conference Concludes For The Day</i> | |
| 6:00-8:00 | <i>Reception @ Harrahs Summit Room</i> | <i>Cash bar, the summit on the 16th Floor</i> |



Advanced Microelectronics and Photonics for Space (AMAPS) Review & SBIR Forum

9 June Wednesday

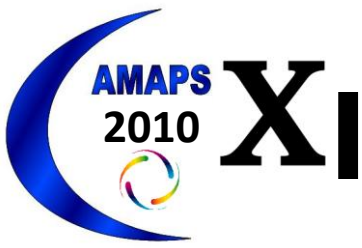
| | | |
|--------|---|--|
| 8:00am | <i>Reception</i> | <i>Continental Breakfast</i> |
| 8:30 | Melanie Ott Photonics Group lead - GSFC | Optical Fiber Space Flight Successes |
| 9:30 | | |
| 9:50 | Raluca Dinu, PhD, VP, GM GigOptix Bothell | GigOptix Solutions for Military and Aerospace |
| 10:10 | <i>BREAK</i> | |
| 10:25 | Geoff Taylor, ODIS | Planar Optoelectronics for High Bandwidth OE Systems |
| 10:45 | | |
| 11:05 | Tyler Eustis OptiComp Corp. | MPOI Module Technology |
| 11:25 | | |
| 11:45 | <i>LUNCH</i> | |
| 1:00 | Melanie Ott Photonics Group lead - GSFC | Status Update on Space Flight Environmental Testing on the Mini AVIM Connector |
| 1:20 | FA Traut Hittite Microwave Inc | High Efficiency, Broad Band GaN Power Amplifiers |
| 1:40 | Vladimir Markov Metro LASER Inc. | AIMS System Field Testing Results |
| 2:00 | Robert Shaw Arkansas Power Electronics Internat. | Rad-hard, SiC Based, Intelligent Multi-Module DC/DC Converter System for Optimal Energy Utilization |
| 2:20 | <i>BREAK</i> | |
| 2:40 | Miriam Rauch, CEO Nu-Trek, Inc. | Low Power and high linearity RF receivers |
| 3:00 | Abraham Mara Space Micro Inc. | Rad Hard ICs |
| 3:20 | MilanBuncick AEGIS Inc. | Novel Non-Mechanical EO LADAR Scanners with Large Field of Regard |
| 3:40 | | |
| 4:00 | <i>Conference Concludes For The Day</i> | |
| | | |



Advanced Microelectronics and Photonics for Space (AMAPS) Review & SBIR Forum

10 June Thursday

| | | |
|--------|---|---|
| 8:00AM | <i>Reception</i> | <i>Continental Breakfast</i> |
| 8:30 | Don Snyder AFRL/RWGG | MDA Directed Energy & ABL Needs |
| 9:00 | Chuck Tabbert, UltraComm Inc. | Ultra Comm Fiber Optic Developments |
| 9:20 | Yang Wang OptiComp Corp. | Semiconductor Optical Amplifier (SOA) |
| 9:40 | Denny Scharf Achronix Semiconductor Corporation | 120G Ethernet to Infiniband reprogrammable system |
| 10:00 | <i>BREAK</i> | |
| 10:15 | Milan Mashanovitch, Freedom Photonics | Freedom Photonics fiber optics component and system development |
| 10:35 | Mark Carlson SA Photonics, Inc | Space Based All Optical MEMS |
| 10:55 | Michael B. Doerr Coherent Logix, Inc. | |
| 11:15 | Derek Strembicke AEgis Inc. | Optical Signal Signal Generator of Laser Test and Evaluation |
| 11:35 | Vladimir Katzman ADSANTEC | Complete set of rad hard front end components for optical communications |
| 11:55 | <i>LUNCH</i> | |
| 1:00 | | |
| 1:20 | G.W.Taylor, ODIS, Inc. | Opportunities for POET in IR Sensing, optical switching, dynamic memory and optoelectronic logic |
| 1:40 | Kjersti Kleven OptiComp Corp. | Detector Arrays for High Speed Transceivers |
| 2:00 | | |
| 2:20 | <i>BREAK</i> | |
| 2:40 | Miriam Rauch, CEO Nu-Trek, Inc. | ROICs and ADCs for ROICs |
| 3:00 | Yousef Khalilollahi Achronix Semiconductor Corporation | Breakthrough FPGA performance |
| 3:20 | Abraham Mara Space Micro Inc. | Image processing subsystems |
| 3:40 | | |
| 4:00 | <i>Conference Concludes</i> | |



Advanced Microelectronics and Photonics for Space (AMAPS) Review & SBIR Forum

The AMAPS Conference is hosted by the OptiComp Corporation.

OptiComp Corp

215 Elks Point Rd Zephyr Cove, NV 89448

P. 775.588.4176

F. 775.588.1348

Jennifer Kline - Event Coordinator

Event Reservations jkline@opticomp.com

P. 775.588.4176

U.S. Air Force Research Laboratory

Douglas Craig - Event Supporter

douglas.craig@kirtland.af.mil

P. 505.846.4741

Attendees must be US citizens.

"Attendance limited to US Government agencies and their contractors or potential contractors; due to space application and potential significant military application of critical technologies will be reviewed; 22 May 2008. Other requests for attendance shall be referred to the Air Force Research Laboratory/ RVSE, 3550 Aberdeen Ave. SE, Kirtland AFB, NM 87117-5776.

WARNING: The AMAPS Review contains technical data whose exports is restricted by the Arms Export Control Act (Title 22, U.S.C. 2751 et seq) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Dissemination in accordance with provisions of DoD Directive 5230.25."

Format:

We have allowed each company to present a 20 minute overview about their company and an opportunity to give a description of the technology they are working on. We do this since most of the companies with SBIRs are relatively new businesses. This also helps to foster technology partnerships among attendees.