

Upcoming IEEE Avionics, Fiber-Optics and Photonics Conference Highlights

IEEE Photonics Society



IEEE Photonics Society's 2013 Avionics, Fiber-Optics & Photonics Conference to Highlight the Latest Developments in Fiber Optic Architectures, Networking & Mobile Platform Development in Avionics, Naval Vessels & Ground Vehicles

San Diego, CA (1-3 October 2013) -- The IEEE Photonics Society's 2013 Avionics, Fiber-Optics & Photonics Conference (AVFOP 2013) is an application-oriented conference designed to cover all aspects of severe environment fiber optic component systems and technology for avionics, vetronics (vehicle electronics) and naval vessels. Each year, the AVFOP provides an international forum for engineers, researchers and manufacturers to meet and exchange ideas on the latest developments in reliability, maintainability, producibility, supportability, as well as the future direction of these critical systems for military and commercial applications.

Photonics professionals from industry, government and academia will gather from 1 – 3 October 2013 for the tenth annual AVFOP 2013 Conference at the Wyndham San Diego Bayside Hotel in the Embarcadero harbor district of San Diego, California (USA). A program of more than 60 presentations will cover a comprehensive range of topics, including:

- Integrated & WDM optical components for harsh environments.
- Fiber optic transceivers for digital avionics & vetronics systems.
- Avionics/vetronics fiber optics & photonics technology synergies.
- Fly-by-light & power-by-light components & systems.

- Optical components for analog/RF signal transmission & distribution.
- Avionics architecture/networking & standardization for aerospace systems.
- Modeling & simulation of aerospace fiber optic components, links & systems.
- Avionics/aerospace fiber optic component & system reliability.
- A host of other topics presented by experts in avionics, fiber optics and photonics technology.

In addition to the paper sessions, there will be a panel discussion on “Fiber Optics & Photonics Technology Insertion Forum,” to be held on 2 October. The discussion will provide unique insight into the processes used by defense agencies, aircraft, rotorcraft & spacecraft manufacturers, subsystem suppliers & system integrators to create and accept new fiber optics and photonics technologies.

“The past ten years has seen significant growth in the deployment of fiber optic and photonics technology in the aerospace industry for both commercial and military platforms,” said AVFOP 2013 General Chair, Richard DeSalvo of Harris Corporation, USA. “And these avionics fiber optic system architectures, networking schemes and components have grown more sophisticated. The AVFOP conference has proven to be an indispensable international forum for the academic, industry and government R&D professionals to further these technology developments.”

Invited Speakers

- Joe Campbell, University of Virginia, USA.
- Greg Carmen, University of California, Los Angeles, USA.
- Benson Chan, Endicott Interconnect, USA.
- Tony Christopher, kSaria, USA.
- Tom Clark, Johns Hopkins University, USA.
- Charles Cox, Photonics Systems, USA.
- Kyle Davis, Georgia Tech Research Institute (GTRI), USA.
- Shaya Fainman, University of California, San Diego, USA.
- Rajindar Kaushik, Sikorsky Aircraft, USA.
- Lute Maleki, OE Waves, Inc., USA.
- Shayan Mookherjea, University of California, San Diego, USA.
- Paul Morton, Morton Photonics, USA.
- Anguel Nikolov, APIC Corporation, USA.
- Robert Norwood, University of Arizona, USA.
- Dalma Novak, Pharad LLC, USA.
- Mathias Pez, D-Lightsys, USA.
- Richard Pommer, Ultra Communications, USA.
- Scott Rodgers, Lockheed Martin, USA.
- Alan Willner, University of Southern California, USA.
- S.J. Ben Yoo, University of California, Davis, USA.

For more information, visit www.avfop-ieee.org/program [1].

Upcoming IEEE Avionics, Fiber-Optics and Photonics Conference Highlights

Published on Wireless Design & Development (<http://www.wirelessdesignmag.com>)

Source URL (retrieved on *01/27/2015 - 9:11pm*):

http://www.wirelessdesignmag.com/news/2013/07/upcoming-ieee-avionics-fiber-optics-and-photonics-conference-highlights?qt-digital_editions=0

Links:

[1] <http://www.avfop-ieee.org/program>