Development of a Low-SWAP, RAD-Tolerant, Thermally Stable, 10Gbps per Channel Fiber Optic Transceiver for Harsh Environment Networking Applications

Submitted by drupal on Wed, 10/23/2013 - 18:04

Firm: Space Photonics Inc.

Award Solicitation: NASA SBIR 2010 Phase I Solicitation

Award ID: SBIR_10_P1_105742

Award Topic: Command, Data Handling, and Electronics

Award Dollars: 99,995.00

Award Lead Center: Goddard Space Flight Center

Proposal Number: S3.01-8258

Proposal Title: Development of a Low-SWAP, RAD-Tolerant, Thermally Stable, 10Gbps per Channel Fiber Optic Transceiver for Harsh Environment Networking Applications

Mission Directorate: Science

Selection: NASA 2010 SBIR Program Phase I Selections

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Award Tech Taxonomy:

- Ad-Hoc Networks (see also Sensors) [9]
- Architecture/Framework/Protocols [10]
- Network Integration [11]
- Routers, Switches [12]
- Transmitters/Receivers [13]
- Waveguides/Optical Fiber (see also Optics) [14]
- Manufacturing Methods [15]
- Data Acquisition (see also Sensors) [16]
- Data Input/Output Devices (Displays, Storage) [17]
- Data Processing [18]
- Fiber (see also Communications, Networking & Signal Transport; Photonics) [19]
- Detectors (see also Sensors) [20]
- Lasers (Communication) [21]
- Sensor Nodes & Webs (see also Communications, Networking & Signal Transport) [22]