

FIBERTEK, INC.

AN ADVANCED PHOTONICS COMPANY

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Free Space Optical Communication Engineer

Fibertek, Inc. (www.fibertek.com) is a leading developer of electro-optical systems for the aerospace community, with key contributions to earth-sensing, laser communications, and lidar sensors for NASA, DoD, and commercial customers. We are looking for a highly motivated individual to join our team with direct hands-on contribution to the testing of high-speed optical transceiver systems for various free-space optical communication terminals (space, airborne, etc.). This includes developing test plans and identifying test equipment.

Your Job

The Free Space Optical Communication Engineer will contribute to the design, development and testing of laser communications electronics/photonic hardware for space-borne, applications. Your role will include:

- Design, development and troubleshooting of prototypes high-speed opto-electronic circuits for optical transmitters/receivers.
- Lead a multi-disciplinary team of engineers (optical, mechanical, system) for the integration, test and qualification of free-space optical communication terminals.
- Develop manufacturing processes to increase reliability, reduce build time and provide cost savings.

Desired Skills and Experience

- Technical Degree required: Minimum B.S. in Physics, Electrical Engineering or a related engineering discipline. M.S. or PhD level degree with emphasis on fiber-optic communications preferred.
- Minimum of 3 years industry/lab experience in the design, development and testing of high-speed optical and/or fiber-optic transmitter/receiver sub-systems.
- Good knowledge of BER testing, receiver and detector noise issues, optical modems and industry standards and qualifications of telecom components.
- Experience in digital control electronics and/or embedded electronics a plus.
- Able to translate requirements for space, airborne, underwater optical links for the design and development of optical transceiver sub-systems. Experience in space-flight electronics a plus.
- Strong communication and collaboration skills in a multi-disciplinary environment. Self-starter and able to work independently while coordinating with other engineering personnel.
- US citizenship required.

Why Fibertek, Inc?

FIBERTEK, Inc. is a recognized leader in advanced laser, lidars and laser communication systems providing our DoD, NASA and Aerospace customers discriminating capabilities. We pride ourselves in our innovation and customer success focused culture enabled by a creative and relaxed work environment with minimal bureaucracy. Fibertek is in the center of northern Virginia's technology corridor and near the world-class cultural venues in our nation's capital and a wide range of outdoor activities offered in the Blue Ridge Mountains and Chesapeake Bay areas. We are within walking distance of the DC metro station opening in 2020. Fibertek fosters a progressive learning environment that values inspiration, promotes professional challenge and encourages personal growth. We offer competitive and incentivized compensation package with excellent benefits.

How to Apply

Send your resume to jobs@fibertek.com.