Intern/Coop - Fiber Optics

It’s not about just finding a job. It’s about finding a home for the experiences, skills, and passions you bring to your work – a place where other people share your aspirations.

From our welcoming, collaborative culture to ample opportunities for growth, you’ll find plenty of reasons to invent your future with Panduit.

We take great pride in our University Relations Program and great care in selecting individuals who are a part of it. By taking the important step of becoming a part of our team, you will join engineers, researchers, and innovators who create winning technology and give us the edge to lead in a highly competitive marketplace.

Intern/Coop with our Fiber Optics Research Group in Tinley Park, Illinois.

The purpose of the Fiber Optics Research Group is to develop performance differentiated fiber optic products based upon fundamental understanding of optical communication systems and the constituent components.

Projects you will be working on include:

**Advanced Optical Communication:** Research and model laser transmitters for next generation optical communication systems. Apply DSP techniques to recover signal from dispersion and noise channels. Optical communication technology review and research. Collaboration with internal industry experts. Hands-on experimental work using state of the art transmitter, oscilloscopes and pattern generators.

**Optical Fiber Testing:** Learn and test modal and chromatic dispersion in high bandwidth multimode fibers. Characterize performance of single mode fibers and new types of optical fibers. Research about new fiber technologies and applications. Optical fiber technology review and research. Collaboration with internal industry experts. Hands-on experimental work using state of the art equipment lasers, optical
Preferred Major: Optical Engineering, Electrical Engineering or Physics

Required Skills / Academic Exposure: Optics, optical fiber, optical communication

Panduit is a world-class developer and provider of leading-edge solutions that help customers optimize their physical infrastructure through simplification, agility, and operational efficiency. Panduit’s Unified Physical Infrastructure (UPI) based solutions give enterprises the capabilities to connect, manage and automate communications, computing, power, control and security systems for a smarter, unified business foundation. Strong relationships with technology leaders complemented with its global staff and unmatched service and support, make Panduit a valuable and trusted partner. Are you self-motivated? Ambitious? Driven to work for a market leader? Looking for a position with a global company distinguished by its significant investments in research and development, innovative technology solutions, award-winning customer service, commitment to environmental excellence and future vision? If this seems to describe you to a tee, PANDUIT is hoping to give you the chance of a lifetime.

Keywords

Optical Engineering, Electrical Engineering, Physics, Optics, optical fiber, optical communication