IPG Photonics is the leading developer and manufacturer of high-performance fiber lasers and amplifiers for diverse applications in numerous markets. IPG Photonics' diverse lines of low, medium and high-power lasers and amplifiers are used in materials processing, communications, entertainment, medical, biotechnology, scientific and advanced applications. Our products are displacing traditional technologies in many current applications and enabling new applications for lasers.

IPG's highly vertically-integrated development and manufacturing capabilities enable the Company to meet customer requirements, accelerate development, manage costs and improve component yields, while maintaining high performance and quality standards.

IPG is a global company with manufacturing facilities in the U.S., Germany, Russia and Italy, and regional sales offices in China, Japan, Korea, Taiwan, India, Turkey, Brazil, Mexico, Singapore, Spain, Poland, Czech Republic, Canada, and the United Kingdom. The Company sells its products globally to OEMs, system integrators and end users in a wide range of diverse markets that have the in-house engineering capability to integrate IPG's products into their own systems.

The Scientist for our Laser Diode division will have the unique opportunity to propose, develop and implement concepts and designs for next generation semiconductor laser products.

Duties:

- Propose and implement novel concepts and design for next generation high power semiconductor lasers for industrial and telecom applications products
- Lead efforts to fabricate, test, and optimize designs followed by transferring them to manufacturing
- Knowledge of semiconductor and laser diode theory
- Experience in designing, processing, assembling and testing of laser diodes
- Strong analytical and statistical background

Experience Desired:

- Strong technical background in laser physics (thermal, electrical, optical, material science)
- Hands-on experience and firsthand knowledge of epitaxial growth, wafer processing, laser diode assembly or characterization

Education Required:

- PhD or MS/Diploma in Physics or EE
- 5+ years of a relevant working experience, industrial experience is desirable

Personal Requirements:

- Strong technical, interpersonal and communication skills
- Highly motivated and creative personality
- Goal-oriented, ability to multitask
- Attention to details