NP Photonics, Inc.
Job Description

Job Title: Laser/Optical Scientist
Level: Depends on experience
Department: Engineering/ R&D
Reports To: Chief Technology Officer

SUMMARY:
The primary duty of this position is to take a major role in the initiation, management, and execution of research and development projects. The overall goal is to innovate on the design, implementation and applications of optical fibers, fiber lasers/amplifiers, and solid-state lasers, and to leverage and extend NP's core technologies and product offerings. Identifying, securing, and successfully executing externally funded projects, either customer driven or government funded, will be a major focus.

ESSENTIAL DUTIES AND RESPONSIBILITIES
- Conduct R&D projects based on hands-on experiments in R&D laboratories.
- Design, plan, and execute R&D projects with clear milestones, schedule, and budget.
- Prepare reports and summaries of internal and external projects.
- Write proposals to attract new R&D funding
- Design and build engineering prototypes for subsequent customer delivery or product development
- Work with other functions of the company to communicate needs (budget, manpower, instrumentation) and results (technical reviews, white papers, instructions and more).
- Provide guidance to technicians on the team and direct their work as needed.
- Other duties may be assigned.

SUPERVISORY RESPONSIBILITIES:
The candidate will have to work within a team of people spanning many different disciplines. Direct supervision of others may be required, depending on need. Excellent communication skills across different skill and education levels are expected. Candidate must be comfortable with a high-pressure environment, and able to work with minimal supervision and be a quick self-starter.

JOB REQUIREMENTS:
- PhD or equivalent experience in relevant subject (Laser Optics, Physics, EE, ME, …)
- 5 yrs of related experience
- Currently eligible to work in the US
- Expert in CW and/or pulsed fiber lasers/amplifiers, solid state lasers.
- Expert in laser design and development in UV, blue, Mid-IR, and/or LW-IR portions of the spectrum.
- Excellent oral and written communication skills
- Excellent documentation practices
- Self starter and hands-on lab skills
- Fluent in written and spoken English
- Good understanding of product manufacturability is a plus
- Knowledge of LabView programming is a plus