



Job Offer

JOB POSITION: PhD Laser Scientist

DATE: 26 - November - 2020

JOB DESCRIPTION

PhD Laser Scientist

FYLA LASER, a leading company in the field of supercontinuum and ultrafast fiber lasers is seeking a PhD Laser Scientist to join our Research team in High Power Fiber Lasers.

Job Role

The role as a PhD Laser Scientist will include:

- Research and development of rare earth fiber laser oscillators, amplifiers, pulse-pickers, compressors and other optical fiber components and subsystems.
- Design of experimental approaches to enhance efficiency and simplicity of fiber lasers.
- Fiber laser design software development.
- Planification and management of electronics / photonics interface of serial and new versions of FYLA lasers.
- Setting up of free-space and fiber optic demonstrators of FYLA lasers.
- Design and setting-up of specific fiber laser developments required by OEMs and Scientific customers.
- R+D Projects Management

Qualification, Knowledge and Experience

- PhD in Physics, Electrical Engineering, Telecom Engineering, Optical Engineering or equivalent.
- More than 3 years of previous work in a fiber optics laboratory or in a high power lasers laboratory.
- Experience in optical fiber manufacturing, designing, splicing and standard characterization is a plus.
- Experience in ultrafast femtosecond/picosecond fiber lasers is a plus.
- Experience in ultrashort/ultraintense lasers is a plus.
- Knowledge of Labview, Mathlab, C++, Fortran, and other lab and simulation software is a plus.
- Knowledge of standard numerical methods in fiber optic light propagation is a plus.
- Publications in the field of optical fibers, fiber lasers or high power lasers is a plus.
- Excellent written and oral communication skills in English.

Personal skills and attributes

- Dynamic person with a demonstrated capacity of team work.
- Passion for lasers and photonics.
- Enthusiastic attitude for a well done job and customer satisfaction.
- Proactive, flexible and problem-solving attitude.

Work environment

- The successful applicant will join the R+D Department of a young and dynamic company, with international projection.
- Enriching environment with excellent opportunities for career development.
- Collaboration with global leading scientific and industrial labs in the field of ultrafast fiber lasers and applications.

Conditions

- Full time occupation.
- Competitive salary, negotiable according to experience and proven aptitudes.
- Starting date: immediate.
- Duration: permanent.

Please submit your application by email, including CV and letter of interest, to Dr. Pere Pérez-Millán: ppmillan@fyla.com. List of references is appreciated. Please indicate subject: FYLA Laser Scientist.