

Ultrashort Pulse Laser Engineer

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Job Requisition:

Ultrashort Pulse Laser Engineer

Job Description:

Our Directed Energy team in Albuquerque is looking for a Ultrashort Pulse Laser Engineer to operate, maintain, and improve USPL systems and to setup and perform experiments with USPLs. This is an exciting opportunity to work with modern equipment in cutting-edge laboratories at the Air Force Research Laboratories (AFRL) on Kirtland AFB, where you will be part of a team that investigates novel USPL phenomenology of both low and high power systems.

Primary Responsibilities

- Support laser system operations including alignment, optimization, and operation of oscillators and amplifiers.
- Perform optical test functions including power, spatial, spectral and temporal characterization of optical beams.
- Assist with laboratory equipment maintenance and organization.
- Assist with installation of new hardware and fixtures to expand laboratory capabilities and capacity.
- Provide regular progress reports and maintain timelines for multiple projects.

Basic Qualifications

- Possess a bachelors degree or higher in a science or engineering discipline focused on optics or short pulse laser technology.
- Have strong innovation, analytical and diagnostic skills.
- Ability to understand and abide by government safety rules and regulations
- Have a bachelors degree and 4 – 8 years or a masters degree with 2 – 6 years experience with short pulse laser system experience, including laser system alignment, diagnostics, and maintenance.
- Ability to analyze data and write accurate, concise and readable test summary reports
- Ability to engage in technical research and development in a fast-paced environment
- Ability to work well with scientific peers
- Ability to acquire and maintain a DoD clearance.

Preferred Qualifications

- Troubleshooting and resolving optical and electronics related system issues.
- Experience operating and troubleshooting Joule-class Nd:YAG nanosecond lasers.
- Experience with optical parametric amplifier systems.
- Optomechanical modelling experience and knowledge of materials.
- Proficiency in LabVIEW, CAD, and/or Zemax.
- Have an active DoD secret or higher clearance

About Our Team

Our Directed Energy team in Albuquerque consists of approximately 120 scientists, engineers, technicians, drafters, fabricators and support staff with backgrounds in advanced physics, electrical and mechanical engineering, electromagnetics, lasers, and high-power microwaves. For over three decades our team has worked with government laboratories to push the limits of the state-of-the-art in several high-tech fields, and continue to do so on several programs.

Funding Status:

Funded

Job Level:

T3

Potential for Telework:

No

Clearance Level Required:

None

Travel:

Yes, 10% of the time

Scheduled Weekly Hours:

40

Shift:

Day

Internal Referral Bonus:

5000

Original Posting Date:

2024-05-20

While subject to change based on business needs, Leidos reasonably anticipates that this job requisition will remain open for at least 3 days with an anticipated close date of no earlier than 3 days after the original posting date as listed above.

Pay Range:

Pay Range \$81,250.00 - \$125,000.00 - \$168,750.00

The Leidos pay range for this job level is a general guideline only and not a guarantee of compensation or salary. Additional factors considered in extending an offer include (but are not limited to) responsibilities of the job, education, experience, knowledge, skills, and abilities, as well as internal equity, alignment with market data, applicable bargaining agreement (if any), or other law.

Talent Marketplace Opportunity Type	Workday ID	2c2debe7736810001d9ac3b3f9260104
Marketplace Match Range	Workday ID	55846eace633100013b901d104480105
Job Posting	Workday ID	d6ef4443d9e81000b4a85024eeac0001

Job Details

Job Requisition ID	R-00135988
Location	Albuquerque, NM
Posting Date	07/18/2024 - 13 days ago
Job Family	Optical Engineering
Time Type	Full time
Job Type	Regular
Supervisory Organization	Supv Org (Chris E Roth (102637))

Hiring Team

Recruiter



Shawn M. Wilkins (633883)

https://leidos.wd5.myworkdayjobs.com/en-US/External/job/Albuquerque-NM/Ultrashort-Pulse-Laser-Engineer_R-00135988

We're Hiring for Ultrashort Pulse Laser Engineer!