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NIST ORG (Div/Group): Spectrum Technology and Research Division
Fiber Sources and Applications Group, 675.02

NIST GRADE EQUIVALENT: ZP-II

Based on candidate's education and experience, the candidate is equivalent to a NIST grade level as indicated above.

LENGTH OF TERM (if applicable):

START DATE: ASAP

END DATE: 1/31/2023

Could be extended upon award of new 5-year PREP cooperative agreement

TITLE OF PREP POSITION: 675.02 Research Lab Assistant

SUMMARY OF THE POSITION: Individual will support a group of about 15 scientists working on advanced optics projects for precision laboratory measurements and sensing over open-air paths. The individual will be expected to manage a diverse set of duties as required by the group including general laboratory support, support for field experiments, and technical support for the development of electro-optic and fiber-optic systems

KEY RESPONSIBILITIES:

- Serve as laboratory manager including maintenance of laboratory instruments, inventory of general laboratory supplies, and assistance with safety and IT issues.
- Assist with field experiments including outfitting and maintenance of mobile van laboratory, logistics, planning, preparation of the field site, shipping etc.
- Support laboratory experiments through basic machining, electronics work including cable assembly and fabrication of electronics subsystems, and fiber-optic subsystems including fiber polishing, splicing, and testing.

REQUIREMENTS:

- Ability to handle a diverse set of duties and learn new skills.
- Ability to track project details across multiple efforts.
- Ability to use hand tools for simple construction projects.
- Ability to solder.
- Ability to work in laboratory environment including standing for multiple hours.

PREFERENCES: Basic knowledge of fiber-optic technology, machining skills, previous experience with electronics.

LEVEL OF APPOINTMENT:

- **Postbac:** This researcher must start an appointment within 5 years of a bachelor's degree and has an appointment limit of 5 years.

AREA OF STUDY: Degree in engineering, physical sciences, or related fields. *Candidates with other degrees will also be considered with the appropriate technical and organizational skills.*

NEW: SALARY RANGE DETERMINATION: Suggested salary: \$55k-\$65k

For more information contact: Mark Golkowski (mark.golkowski@ucdenver.edu) or Hamid Fardi (hamid.fardi@ucdenver.edu).