**Lidar Analyst (Fire Science)**

**Term:**2-4 years

**Start Date:** March 2019

The Wildland Fire Science Program at Tall Timbers is looking for a Lidar Analyst to lead several geospatial research projects funded by the Strategic Environmental Research and Development Program. The Lidar Analyst will lead data acquisition and processing required for forest and surface fuelbed characterization.  Lidar and 3D analyses of forests and grasslands are essential inputs for advances in wildland fire science, an interdisciplinary field of science that studies forestry, ecology, fire combustion, spread, and fire effects. The multi-disciplinary program at Tall Timbers is dedicated to integrating research into management applications. This research position will be located on and around Tall Timbers Tallahassee, FL, and require periods of travel primarily throughout the eastern United States, with possible travel to other regions of the United States.  The ideal candidate will have a graduate degree in GIS, geography, forestry, spatial fire ecology, or spatial modeling. We are seeking candidates looking for experience in natural resources, wildland fire, fluid dynamics or environmental sciences. Knowledge of Lidar characterizations of ecosystems, wildland fire and/or forestry practices are desired.

Job Purpose:

Perform terrestrial laser scanning data acquisition, processing, documentation, grant reporting, and progression into data analysis to support development of three-dimensional fuels library for the southeastern United States and frequently burned western pine systems.

Duties: The analyst will work under the supervision of the Spatial Fire Ecologist and Wildland Fire Lab Manager by leading data management, analysis, reporting and data acquisition. The analyst must be able to independently conduct data workflow needs that integrate into complex multi-partner experiments. Incumbent will be required to document data from collection to deliverable, including processing methods, metadata, data management, and integration of these data into spatial databases.

Additional duties will include equipment maintenance, lab organization, data entry and any other duties as assigned. Travel to various field sites will be required, with some trips extending into a week or longer. The successful applicant should be detail oriented, dedicated to completing tasks on time and with a high degree of accuracy. The incumbent should expect opportunities to acquire new skills and knowledge.

**Qualifications:**

**Required:**

Master’s degree in GIS, geography, forestry, spatial fire ecology or spatial modeling

or

Bachelor’s Degree in the sciences or natural resources and 2 years of experience with spatial data analysis

Interest in a career in natural resources/wildland fire

GPS navigation skills

The ability to work in adverse weather conditions

Physically able to perform outdoor activities including hiking and lifting equipment (25-35 pounds)

Effective communications skills

Clean driving record (3 years of no infractions)

**Preferred:**

Wildland fire or prescribed fire experience (current fire qualifications a plus)

Experience operating 4WD vehicles

ATV safety training

Advanced computing skills (GIS, R, Python, ENVI/IDL)

Applicants will be evaluated based on experiences and satisfactory references regarding work habits, professionalism, attitude, and physical fitness, as work is often strenuous and conducted in difficult weather conditions around biting insects, venomous snakes and in areas used for military training. We encourage applicants of varying backgrounds to apply.

**Compensation:** $40,000/yr

**Deadline:** Job is open until filled

Early consideration by 2/22/2019

**To apply, please submit:**

A resume

A 1-page cover letter describing your qualifications, interests, and career goals.

Updated academic transcript for any education acquired.

Full contact information for three (3) references from previous employers or educators.

Photocopy of your driver’s license (we require a clean driver’s record for driving work vehicles).

**For questions or to apply, email:**

Scott Pokswinski

Wildland Fire Science Biologist/Lab manager

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Tall Timbers

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