



BOISE STATE UNIVERSITY

**Research Associate, Remote Sensing
Department of Geosciences**

Boise State Introduction

Boise State University, powered by creativity and innovation, stands uniquely positioned in the Northwest as a metropolitan research university of distinction. Learn more about Boise State and the City of Boise at <https://go.boisestate.edu/join-our-team/>.

Boise State University is committed to increasing the diversity of its faculty, staff, students, and academic program offerings and to strengthening sensitivity to diversity throughout the institution. Boise State University is an affirmative action/equal opportunity employer, and applications from members of historically underrepresented groups are especially encouraged to apply. We are a welcoming campus that supports diversity and inclusion.

Position Overview

The Research Associate will promote excellence in remote sensing science within the Department of Geosciences and across Boise State University. This position will 1) help faculty mentor undergraduate and graduate students in remote sensing; 2) participate as an active member of a research team; 3) manage the remote sensing lab including a highly successful cost center. The position is a permanently funded 12-mos position.

Duties and Responsibilities

Provide mentorship for students and participate in research team:

1. Be supportive and inclusive in student research success, and contribute to the knowledge-base of remote sensing science, including study design, field implementation, and analysis with students.
2. Supervise and mentor undergraduate student researchers. Co-mentor graduate students and support their professional development.
3. Serve as liaison to and collaborate with, faculty and students outside Geosciences for remote sensing science.
4. Author or co-author publications related to the remote sensing research.
5. Actively assist in the pursuit of funding opportunities that sustain student research in remote sensing.
6. Serve as a contact for remote sensing-related questions and assistance with our partners outside the university.
7. Assist students with data management.

Manage remote sensing lab:

1. Purchase, inventory, and maintain equipment (terrestrial laser scanning, spectroradiometers, UAVs, GPS) and software
2. Track all equipment use and billing for cost/recharge center
3. Provide training on equipment and software for students and faculty across campus
4. Possibly conduct workshops on equipment and software

5. Manage project data

Minimum Qualifications:

- Master's degree or equivalent experience in remote sensing or related field
- Demonstrated remote sensing expertise including collecting and processing multispectral, hyperspectral, and/or lidar data
- Demonstrated expertise with geospatial and time series data
- Project management experience

Preferred Qualifications:

- Expertise in field and remote sensing instrumentation
- 1 year experience in a similar role
- Demonstrated products (code, publications, tools, workshops) of skills
- Experience with physical-based modeling

The successful candidate will possess the following knowledge, skills and abilities:

- Mentoring experience
- Experience collecting field data
- Problem-solving skills
- Entrepreneurial drive
- Excellent written and verbal communication skills
- Interest and/or experience working with partners both within and outside the university
- Interest, experience, and/or ability to promote a climate of inclusion and equity

Physical demands: Requires carrying heavy (~25-35 kg) and bulky field equipment over rugged terrain in all weather conditions (rain, snow, heat, cold).

Required Application Materials: Please submit a cover letter indicating your interest and qualifications for this position and include the name/contact information of three references. Attach a resume that includes education and employment history (including dates of employment).

Closing Date: The position is open until June 25, 2018. Click [here](#) to apply.

About Boise State University: <https://go.boisestate.edu/join-our-team/>