



Remote Sensing Manager

The Remote Sensing Manager is responsible for research and technology transfer efforts in remote sensing, that will initially focus on LiDAR applications. Provide leadership in setting priorities and goals for remote sensing R&D and operational programs. Coordinate research on remote sensing applications ranging from aerial photography to LiDAR, PhoDAR, multispectral and hyperspectral imagery, using satellite, aerial, UAV, and terrestrial platforms. Transfer technology to end users in operations and staff departments to support applications in forest engineering, timber harvesting, precision silviculture, inventory, growth and yield modeling, portfolio management, and real estate development.

DUTIES & RESPONSIBILITIES

- Provide overall guidance for research in remote sensing. Coordinate and conduct research on LiDAR and other remote sensing tools. Ensure research is scientifically-sound and focused on high priority issues. Assist with planning, directing, and budgeting the remote sensing portion of the research program.
- Manage the operational LiDAR program including budgeting, contract negotiation and management, and data QA/QC.
- Coordinate with internal technical team to integrate remote sensing results into the Land Management Systems to provide appropriate decision support tools.
- Provide overall guidance for technology transfer to operations to insure rapid and efficient implementation of remote sensing research results and develop needed tools and applications. This includes field visits, formal training sessions, and preparation of research reports, notes and forest management notes.
- Serve as contact person for state and federal agencies and university research programs working in remote sensing to develop the technology and tools needed.

Qualifications

- MS degree required (Ph.D. preferred) in remote sensing in forestry or natural resources field.
- Five (5) years' experience in the use of LiDAR as a tool for forest management.
- Experience organizing and coordinating large scale LiDAR acquisition by contractors.
- Proficiency with ArcGIS applications and R programming skills. Experience with analysis of large LiDAR data sets using specialized LiDAR processing software such as MARS, LAS tools, etc.

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