

POSITION ANNOUNCEMENT
POSTDOCTORAL RESEARCH SCIENTIST
REMOTE SENSING, FIRE and FUELS

The University of Idaho and Upper Midwest Aerospace Consortium (UMAC) seek outstanding candidates for a postdoctoral research position in remote sensing, fire ecology and fuels characterization. The successful candidate will work closely with research teams to establish the Forest PARC (Forest Public Access Resource Center), a new project of the UMAC with funding from NASA. UMAC consists of nine University partner institutions across Idaho, Montana, North Dakota, South Dakota and Wyoming as well as collaborators from numerous local, state and federal agencies (e.g. US Forest Service, National Park Service, US Geological Survey). The Forest PARC is led by PI's at the University of Idaho, the University of Montana, the South Dakota School of Mines and Technology and the US Forest Service.

The goal of the Forest PARC is to provide regional end-users with information, tools, and datasets to support forest and wildland ecosystem management throughout the region. Managing large forested ecosystems is important for maintaining healthy forests while producing wood, wildlife and biodiversity, recreation and water. Local managers require accurate information on the type, characteristics and dynamic changes occurring over these forested landscapes. Provision of this information requires application of the latest remote sensing datasets and tools. The initial focus of the Forest PARC will be to establish a vigorous applied research and management outreach program to address issues related to wildland fire. Wildland fire is an issue of both regional and national significance encompassing many research and collaborative opportunities. Forest PARC will build on more than 25 years of collaborative fire ecology and management research, with great breadth and depth of applied science and outreach, conducted by the University of Idaho and its diverse partners.

POSITION DESCRIPTION: The candidate will be based at the University of Idaho and work closely with PI's at the three Forest PARC lead institutions to identify and develop key areas of collaborative, interdisciplinary applied research relating to remote sensing, forested ecosystems, and fire ecology. The individual will implement this research plan, and write proposals for continued Forest PARC research funding. Thus, this position

will have opportunities to shape and lead future research directions for the Forest PARC, contribute to ongoing research and new proposals, as well as to lead and contribute to publications. A portion of the position time will be available to support publication of the candidate's ongoing projects.

We are seeking someone with a strong background in applied remote sensing, preferably with experience in simulation modeling and fire. Proficiency with GIS is highly desirable, as is a demonstrated record of grantsmanship and publications. The successful applicant should have good communication and team skills as well as a willingness to participate in the organization and coordination of research across multiple institutions. Travel to Forest PARC institutions, research sites, and national meetings will be required.

SALARY: Competitive and commensurate with qualifications and experience. This is a 2-year position, with possibilities for additional years.

QUALIFICATIONS:

Required qualifications:

- Experienced in remote sensing applications and spatial analysis
- Works effectively both as a team leader and independently
- Demonstrated success in research
- Experience in writing proposals, journal articles

Desired qualifications:

- Interest and experience in using spatially explicit simulation models of fire effects, lidar and other remote sensing tools
- Knowledge and interest in fire ecology, fire management, and fuels management
- PhD degree completed by August 2003
- Physically able to conduct field work far from roads and trails

TO APPLY: Please email an application letter, curriculum vitae, university transcripts, statement of interest, and contact information for three references to Dr. Paul Gessler, paulg@uidaho.edu. Review of applications will begin on 15 April and will continue until the position is filled. The position is available immediately. While we hope to fill the position by this summer, we will be flexible to attract top candidates.

FOR FURTHER INFORMATION, PLEASE CONTACT:

