

# NOTICE of FILING of PERMANENT EMPLOYMENT CERTIFICATION

Instructions for federally-mandated internal posting:

Post this notice in a conspicuous location at the job site for 10 *business* days.

**COLORADO STATE UNIVERSITY  
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING  
RESEARCH ASSOCIATE III  
REMOTE SENSING MODELER**

This person will support the further development of a Remote Sensing of Evapotranspiration Model (RESET). The Integrated Decision Support (IDS) Group at Colorado State University has implemented an energy balance model to calculate Evapotranspiration that has been implemented in ERDAS. The incumbent will provide expertise to further develop the model as well as apply it to several study areas including the Arkansas and South Platte River Basins in Colorado and the Palo Verde Irrigation District in California. Initially the incumbent will help with the following:

- Validation of the RESET model in the three study areas.
- Estimation of ET for agricultural areas.
- Development of relationships between soil salinity and ET.
- Development of relationships between ET and upward flux from shallow groundwaters.
- Generation of crop coefficients for the most common crops in the study regions.

The incumbent will work as part of a project with collaborators from multiple universities, US Geological Survey, USDA Agricultural Research Service and US Bureau of Reclamation. The incumbent will teach classes in Geographic Information Systems and Remote Sensing.

Questions about this position can be directed to: [Luis.Garcia@Colostate.edu](mailto:Luis.Garcia@Colostate.edu)

**Education and Position Requirements**

M.S. or Ph.D. with research emphasis in GIS and Remote Sensing.

Proficiency and demonstrated use of ESRI software including ArcGIS 8x or 9x, Desktop and ARC/INFO Workstation.

Strong background in remote sensing applications in hydrology and water management, models using satellite imagery for Agricultural or natural resource applications.

Familiarity with a variety of raster and vector data formats and handling vector and raster images within GIS and ERDAS.

Familiarity with the application and processing of airborne or space borne imagery.

Ability to prioritize and multi-task and communicate and interact well with others within a team-oriented atmosphere. Adept in providing alternatives in application systems development or problem solving.

**Application Process:** Applicants should submit a detailed resume, a two-page statement of research interests and goals, and a minimum of three names and contact information for three references. Applications can be either sent electronically to [Luis.Garcia@Colostate.edu](mailto:Luis.Garcia@Colostate.edu) or send in the mail to:

Luis Garcia  
Remote Sensing Modeler Position  
Department of Civil and Environmental Engineering (1372)  
Colorado State University  
Fort Collins, CO 80523

Screening of applications will continue until the position is filled. However, to be assured full consideration your application must be received by **August 1st, 2008**.

Colorado State University is an equal employment/affirmative action employer and complies with all Federal and Colorado laws, regulations, and executive orders regarding affirmative action requirements. The Office of Equal Opportunity and Diversity is located in 101 Student Services Building. In order to assist Colorado State University in meetings its affirmative action responsibilities, ethnic minorities, women and other protected class members are encouraged to apply and to so identify themselves.

**This notice is being posted as a result of the filing of an application for permanent alien labor certification for the job description above.**

Any person may provide documentary evidence bearing on this application to the Certifying Officer, U.S. Department of Labor, Employment and Training Administration, Atlanta National Processing Center, Harris Tower, 233 Peachtree Street, Suite 410, Atlanta, Georgia 30303 Telephone: (404) 893-0101 FAX: (404) 893-4642

**Confirmation of Posting:** Complete this section after 10 day posting period and return to the Office of International Programs, campus delivery 1024.

This notice was posted in a conspicuous place at the offices of the Colorado State University for a period of 10 consecutive *federal business* days from \_\_\_\_\_ to \_\_\_\_\_.  
The notice remained clearly visible and unobstructed during the entire period of posting.

Location of posting: \_\_\_\_\_

**If your department normally posts job openings on internal media (such as department website), this notice was posted from \_\_\_\_\_ to \_\_\_\_\_.**

Employer signature: \_\_\_\_\_

Date: \_\_\_\_\_