POSITION ANNOUNCEMENT # 0001-4130
REQUISITION # 493118

Title: Assistant Professor in Geospatial Analytics: Resilient Communities and Natural Resources

Location: School of Forest Resources and Conservation (SFRC)
Center for Landscape Conservation and Ecology (CLCE),
Program for Resource Efficient Communities (PREC) and
Institute of Food and Agricultural Sciences (IFAS)
University of Florida,
Gainesville, Florida

Salary: Commensurate with Qualifications and Experience

Review Date: For full consideration, candidates should apply and submit additional materials by October 15, 2015. The position will open until a viable applicant pool is determined.

Duties and Responsibilities
This is a 12-month tenure-accruing position that will be 60% research (Florida Agricultural Experiment Station) and 40% extension (Florida Cooperative Extension Service), with joint appointments in the Program for Resource Efficient Communities (PREC), Center for Landscape Conservation and Ecology (CLCE), and the School of Forest Resources and Conservation (SFRC) in the Institute of Food and Agricultural Sciences at the University of Florida. Tenure will accrue in the SFRC. The research and extension FTE assignments may change in accordance with the needs of the units. The faculty member will use GIS, visualization technologies, geospatial analytics, remote sensing and other methodologies to quantify and visualize resource impacts associated with land-use decisions, community resiliency and sustainability and management of resources in mixed urban, rural and natural settings. In research, the faculty member will develop active, successful, nationally recognized and externally funded programs in the use of geospatial sciences to enhance community resilience and urban natural resource conservation. In extension, the emphasis will be on collaborating with land development, community management and natural resource professionals in both the public and private sectors to quantify impacts associated with specific land use patterns, land management plans and mixed-use community proposals. Outreach and research will be conducted to improve Florida’s land and community planning processes, conserve Florida’s natural resources and enhance communities’ responses to disasters, climate change and resource use. The faculty member will be expected to teach one course each year.
This position is one of four in a cohort that will address issues related to environmentally resilient, resource efficient land use. These include expertise in: 1) This position; 2) Resource analytics focused on land use, water and energy; 3) Urban water resource engineering; and 4) Urban soil and water quality. These four faculty members will have unique opportunities for developing interdisciplinary, collaborative projects and partnerships with faculty in CLCE and PREC as well as in the Water Institute, Florida Climate Institute, Center for Public Issues Education, and other interdisciplinary programs at the University of Florida. The purpose of this cohort is to assemble a core group of faculty who will develop proactive programs and scholarly approaches to support desirable changes in Florida communities. All four new faculty will work collaboratively to understand and affect the many facets of current and future issues related to sustaining Florida’s land, water, energy and other natural resources. All of these positions include Extension appointments that will actively engage the new faculty with county extension faculty, state and local government, nonprofits at every level, and business leaders as they conduct educational programs focused on solutions in Florida communities. Scholarly publications that test theories or determine variables that account for success would be expected.

Because of the IFAS land-grant mission, all faculty are expected to be supportive of and engaged in all three mission areas—Research, Teaching and Extension—regardless of the assignment split specified in the position description.

Qualifications
A doctorate (foreign equivalent acceptable) in Urban Regional Planning; Geography; Forest Resources; Geomatics; Engineering; Computer Science or other discipline is required. Skills and experience directly related to geospatial analytics are essential and their applications in land, community and/or natural resource development, sustainability and/or resilience are highly desirable. The ability to work effectively in an interdisciplinary manner with faculty from departments and colleges outside the incumbent’s home academic unit is essential. Candidates should have demonstrated skills in verbal and written communication, interpersonal relationships, and procurement of extramural funding. Candidates must be supportive of the mission of the Land-Grant system. Candidates must also have a commitment to IFAS core values of excellence, diversity, global involvement, and accountability.

Background Information:
The University of Florida (http://www.ufl.edu) is a Land-Grant, Sea-Grant, and Space-Grant institution, encompassing virtually all academic and professional disciplines, with an enrollment of more than 50,000 students. UF is a member of The Association of American Universities. The Institute of Food and Agricultural Sciences (http://ifas.ufl.edu) includes the College of Agricultural and Life Sciences (http://cals.ufl.edu), the Florida Agricultural Experiment Station (http://research.ifas.ufl.edu), the Florida Cooperative Extension Service (http://extension.ifas.ufl.edu), the College of Veterinary Medicine (http://www.vetmed.ufl.edu), the Florida Sea Grant program (http://www.flseagrant.org/), and encompasses 16 on-campus academic departments and schools, 12 Research and Educational Centers (REC) located throughout the state, 6 Research sites/demonstration units administered by RECs or academic departments, and Florida Cooperative Extension Service offices in all 67 counties (counties operate and maintain). The School of Natural Resources and Environment is an interdisciplinary unit housed in IFAS and managed by several colleges on campus. IFAS employs over 2500 people, which

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includes approximately 900 faculty and 1200 support personnel located in Gainesville and throughout the state. IFAS, one of the nation’s largest agricultural and natural resources research and education organizations, is administered by a Senior Vice President and four deans: the Dean of the College of Agricultural and Life Sciences, the Dean for Extension and Director of the Florida Cooperative Extension Service, the Dean for Research and Director of the Florida Agricultural Experiment Station, and the Dean for the College of Veterinary Medicine. UF/IFAS also engages in cooperative work with Florida A&M University in Tallahassee.

**Employment Conditions**
This position is available January 1, 2016, and will be filled as soon thereafter as an acceptable applicant is available. Compensation is commensurate with the education, experience, and qualifications of the selected applicant.

**Nominations**
Nominations are welcome. Nominations need to include the complete name and address of the nominee. This information should be sent to:

Please refer to Requisition # 493118
Dr. Michael Andreu
Chair, Search and Screen Committee
School of Forest Resources and Conservation
University of Florida
PO Box 110410
Gainesville, FL 32611-0410

Telephone: 352-846-0355
Facsimile: 352-392-1707
Electronic Mail: mandreu@ufl.edu

**Application Information**

- Individuals wishing to apply should go online to [http://explore.jobs.ufl.edu/cw/en-us/job/493118](http://explore.jobs.ufl.edu/cw/en-us/job/493118) and submit:
  - Application
  - Cover letter that states applicant’s interest in the position and qualifications relative to the credentials listed above
  - Resume

- Official transcripts showing receipt of the doctoral degree and three letters of recommendation should be sent to the address above.

Final candidate will be required to provide official transcript to the hiring department upon hire. A transcript will not be considered “official” if a designation of “Issued to Student” is visible. Degrees earned from an education institution outside of the United States are required to be evaluated by a
professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES), which can be found at http://www.naces.org/.

The University of Florida is an Equal Opportunity Institution dedicated to building a broadly diverse and inclusive faculty and staff. The selection process will be conducted in accord with the provisions of Florida’s ‘Government in the Sunshine’ and Public Records Laws. Persons with disabilities have the right to request and receive reasonable accommodation.