POSITION ANNOUNCEMENT  #00004844

Title: ASSISTANT PROFESSOR – NANOSCALE WATER RESOURCES ENGINEER

Location: AGRICULTURAL AND BIOLOGICAL ENGINEERING UNIVERSITY OF FLORIDA INSTITUTE OF FOOD AND AGRICULTURAL SCIENCES (IFAS) P.O. BOX 110570 GAINESVILLE, FL  32611

Salary: COMMENSURATE WITH QUALIFICATIONS AND EXPERIENCE

Position Open To: Review of applications will begin March 20, 2007.

DUTIES AND RESPONSIBILITIES: This is a 12-month tenure-accruing position that will be 75% research (Florida Agricultural Experiment Station) and 25% teaching (College of Engineering and College of Agriculture and Life Sciences) in Land and Water Resources Engineering with an emphasis on nanoscale aspects of water resources engineering. Areas of expertise will include one or more of the following area: colloidal particle transport in porous media; soil erosion and particle transport in surface flow, role of natural and synthetic nanoparticles in water quality; environmental chemistry and hydrology. The incumbent will join an active group of faculty working in the water resources area covering both agricultural issues in the state as well as urban or urbanizing water resources issues. This percentage assignment may change in accordance with the needs of the department. Tenure will accrue in the Agricultural and Biological Engineering Department.

The appointee will be expected to develop nationally and internationally recognized interdisciplinary research and teaching programs in land and water resources engineering including basic science of transport mechanisms of particles with water flow at the nanoscale as well as engineering application to larger scale problems. The successful candidate is expected to establish a strong publication record, secure competitive grants, and lead interdisciplinary teams in addressing priority water resources issues as related to nanoscale aspects of water resources engineering. Teaching responsibilities include development and implementation of at least one graduate level class in transport and nanoscale science related to water resources engineering. Other teaching duties may include but not be limited to water conservation, hydrology or other aligned topics. The faculty member will be expected to collaborate with faculty in Agricultural and Biological Engineering as well as other departments dealing with similar water resources issues in Florida. The faculty member will actively participate in graduate education by chairing graduate committees, serving on graduate committees, supervising thesis and dissertation research, and publishing the results with the graduate students.
BASIC QUALIFICATIONS: A Ph.D. in agricultural, biological, civil, environmental, or closely related engineering field is required. Candidates must be able to work effectively in a team environment and must be able to lead and publish high quality research. Candidates should have demonstrated skills in verbal and written communication, interpersonal relationships, and procurement of extramural funding. Preference will be given to candidates with a strong record of publishing peer-reviewed journal articles and teaching experience, and who complement existing Departmental expertise in irrigation design and analysis, water quality monitoring, hydrological modeling and management. Professional engineering licensure or progress toward licensure is desirable. 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 Agricultural and Biological Engineering Department is a unit in the Institute of Food and Agricultural Sciences (IFAS) at the University of Florida and has diverse teaching, research and extension education programs with 31 faculty members located on the Gainesville campus, and 6 faculty located across the state at research and education centers (see website www.agen.ufl.edu). The University of Florida is a Land-Grant institution with an enrollment in excess of 46,000 students on the Gainesville campus and a member of the Association of American Universities. IFAS includes 20 academic units, 5 interdisciplinary centers, 14 research and educational centers throughout the state, and Cooperative Extension units in each of Florida’s 67 counties and the Seminole Tribe. IFAS, one of the nation’s largest agricultural and natural resources research and education organizations, is administered by a Vice President and four deans: the Dean of the College of Agricultural and Life Sciences, the Dean for Extension, the Dean for Research, the Dean for the College of Veterinary Medicine.

HOW TO APPLY: Interested persons are requested to submit the following items: (1) letter of application including a summary of interests, experience, and qualifications related to this position; (2) complete resume of professional experience including all publications; (3) names and contact information of four references who may be asked for letters of recommendation; and (4) official transcripts of all academic training (transcripts must be sent directly from the institution to the address below). Women and minorities are encouraged to apply.

REFER TO POSITION # 00014844

RETURN INQUIRIES TO:

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2/19/07

The University of Florida is an equal opportunity, equal access employer. The “government in the sunshine” laws of Florida require that all documents relating to the search process, including letters of application/nomination and reference, except transcripts, be available for public inspection. Persons with disabilities have the right to request and receive reasonable accommodation.