GRA Position # 537 – Soil Science

Position
Graduate Research Assistant (Ph.D.), 0.5 time

Location
Department of Agronomy
Throckmorton Plant Sciences Center
Kansas State University
Manhattan, KS 66506-5501

Position Description
The soil water processes research group is searching for a PhD student to work on a new Rainfed Agriculture Innovation Network (RAIN), a project that focuses on turning field-scale soil moisture information into actionable decisions. The primary responsibilities of the successful candidate involve: i) collection of soil moisture information using traditional and innovative non-invasive technologies; ii) laboratory and field determination of soil health and soil physical properties; iii) geospatial analysis, modeling, and forecasting of soil water dynamics. The soil water processes research group has a newly equipped laboratory for measuring a wide range of soil physical properties and processes at the laboratory, field, and landscape scale. The successful applicant will work in an interdisciplinary team involving crop scientists, soil scientists, and modelers working together to improve soil water conservation.

Qualifications
Highly motivated students with background in Soil Science, Agronomy, and Environmental Engineering, Environmental Science, or a closely related discipline are encouraged to apply. Basic knowledge of scientific programming languages like Matlab, Python, or R, are desirable. Demonstrated excellence in course work, good written and oral communication skills, and the ability to work as a team member are also required.

Stipend
Annual Ph.D. stipend is $29,388. Graduate Research Assistants are considered Kansas residents for tuition purposes and are responsible for paying tuition and fees.

How to Apply
Applicants should send a resume to:
Dr. Andres Patrignani
Assistant Professor in Soil Water Processes
1011A Throckmorton Plant Sciences Center
Manhattan, KS 66506
e-mail: andrespatrignani@ksu.edu - (785) 532-5732
For more information visit: http://soilwater.ksu.edu/

Further information about this application can be found at:
http://www.agronomy.ksu.edu or by contacting Robert Berry at rwb7@ksu.edu

Date Available
Spring 2020, Summer 2020, Fall 2020

Screening of applicants begins immediately and will continue until position is filled.