Graduate Research Associate Positions in Data Analytics for Sustainable Agricultural Production

Position Summary: The Department of Food, Agricultural and Biological Engineering (FABE) at The Ohio State University (OSU) is seeking applications for Graduate Research Associate (GRA) positions for pursuing Ph.D. or M.S. degree studies. The GRA will be involved in research projects that focus on applications of remote sensing, geographic information system (GIS), machine learning, big data analytics, Internet of Things (IoT), precision agriculture technologies, and ecosystem modeling in management of agricultural production systems at geographic scales ranging from field to watershed to landscape. The GRA is expected to publish research findings in international peer-reviewed journals, present research findings in conferences/meetings, and generate regular project update reports.

Prospective students should have:
- A master’s or a bachelor’s degree in agricultural, biosystems, mechanical, computer, civil, or electrical engineering; environmental science; computer science; or other related disciplines.
- Experience in remote sensing/GIS/programming/machine learning/ecosystem modeling/precision agriculture technologies.
- Familiarity with U.S. agricultural production systems is desirable, but not required as long as the candidates demonstrate the background to learn these in a reasonable timeframe.
- Ability to learn/adopt skills and knowledge in solving “real-world” problems.
- Creative and independent research abilities with teamwork spirit.
- Strong oral and written communications skills.

Salary and Benefits: Starting salary/stipend will be competitive. The position will include full benefits as per OSU guidelines, including tuition and health care benefits.

Anticipated Starting Term: January 2019 (Open until filled). Applications will be reviewed as received.

No. of Positions: 2

Application Materials:
- Detailed CV
- Cover letter outlining academic and professional backgrounds, and research interests
- Academic transcripts (unofficial copy at this point)
- GRE scores; TOEFL scores (only for international students)

Contact:
Dr. Sami Khanal
Assistant Professor
Department of Food, Agricultural and Biological Engineering
The Ohio State University
590 Woody Hayes Dr.
Columbus, OH 43210
Email: khanal.3@osu.edu