



**THE OHIO STATE
UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Department: Food, Agricultural and Biological Engineering and Animal Sciences
Position: Precision Livestock Production Systems
Rank: Assistant Professor

Description:

The Ohio State University seeks qualified candidates for a 9 month, tenure-track faculty position available in Wooster starting on Aug. 16, 2018. The position will concentrate on Research and Extension. The successful candidate will conduct engineering sensor technology and/or big data management, analysis, and modeling research in two or more of the following areas: animal well-being and health management, optimization of animal nutrition and production environments, sustainable pasture production systems, food safety and traceability, livestock feed sourcing, and animal waste management. Successful Candidates will develop outreach programming in one or more of the following areas: animal systems modeling, environmental control of confinement housing, data acquisition and instrumentation for biological systems, automation for animal production systems, and microclimatology for agriculture. The successful candidate will be expected to establish a nationally and internationally recognized research program supported by extramural funding. Additional responsibilities include: provide leadership to the profession through state and national professional society participation, and advise graduate and undergraduate students and be involved with co-curricular programs or student clubs and organizations. This position is partially funded by [Translational Data Analytics](#), a focus area of Ohio State's Discovery Themes; a significant faculty hiring investment in key thematic areas in which the university can build on its culture of academic collaboration to make a global impact.

Qualifications:

Minimum qualifications include an earned Ph.D. in agricultural engineering, biological engineering or closely allied discipline; and registration as a Professional Engineer or demonstrated eligibility. The candidate must have formal training and experience in three or more of the following areas: data acquisition and signal processing skills; mathematical modeling and simulation languages; geographic information systems; statistical data analysis tools; cloud-based systems for transmitting and storing large, complex data sets; and data and information visualization. The preferred candidate is expected to have an animal sciences background demonstrated via holding academic degrees and/or completing significant coursework or experiences in animal sciences. It is essential that the candidate has excellent speaking and writing skills; ability and desire to work in interdisciplinary, interdepartmental research teams; and teaching. The candidate must establish and conduct a research program resulting in national impacts and high-quality publications. Industry experience is desirable. Preferred Qualifications: Experience developing or working in interdisciplinary research teams, experience in mentoring members of underrepresented groups.

About Wooster:

The Ohio State University Wooster campus is home to the Ohio Agricultural Research and Development Center (OARDC) and Agricultural Technical Institute (ATI). Wooster is located in northeastern Ohio approximately 50 mi (80 km) SSW of Cleveland and 35 mi (56 km) SW of Akron. The area offers a wide range of affordable housing, many cultural and recreational opportunities, excellent schools, and a

strong economy based on education and industry (see <http://www.woosteroh.com/>). Wooster was recently ranked as No. 6 on the top 10 list of "Best Small Cities in America" by nerdwallet (<https://www.nerdwallet.com/blog/studies/best-small-cities-america-2015/#FullRankings>).

Application Instructions:

Applications accepted through Mar. 15, 2018, or until a suitable candidate is found. Applicants should submit a letter of application, curriculum vita, academic transcripts, a one-page summary of their philosophy of teaching and research, and a statement specifically addressing their experiences in mentoring underrepresented groups. Applicants should provide the names and contact information (address, e-mail, and phone number) of three professional references. All application materials should be sent electronically to:

Dr. Lingying Zhao, Search Committee Chair
Food, Agricultural and Biological Engineering
The Ohio State University
260A Agricultural Engineering Building
590 Woody Hayes Drive
Columbus, OH 43210-1057
Telephone: 614-292-2366
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The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC).

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.