

**Assistant or Associate Professor: Machine Systems Engineering  
Food, Agricultural and Biological Engineering  
The Ohio State University**

The Ohio State University seeks qualified candidates for a 9 or 12-month, tenure-track faculty position available in Columbus starting January 2014. Outstanding candidates at the Associate Professor level may be recommended for an endowed appointment. The position will be funded 65% Extension, 10% Research, and 25% Resident Instruction. The successful candidate will:

- Provide statewide leadership to outreach education in precision (site-specific) agriculture, which includes machinery systems for variable-rate application; instrumentation, sensors and controls; GIS; and data collection and interpretation as it applies to decision making, as well as providing educational programs in traditional areas such as: conservation tillage practices; soil compaction; controlled traffic; cover crops; management strategies to reduce off-site sediment and nutrient movement (especially dissolved phosphorus) from agricultural fields; and selection, proper operation and management of agricultural machinery. Responsibilities include collaborating and cooperating with agricultural organizations and industry; Extension educators; researchers; local, state and federal agency personnel; etc., in organizing and teaching multi-disciplinary outreach programs such as: field days, workshops and other training sessions for farmers, landowners, agribusiness, technical agency personnel, and educators.
- Conduct engineering research addressing clientele needs such as field machinery automation, precision agriculture technologies, logistics of moving agricultural commodities from the field to market or storage, sustainable practices for the production of agricultural commodities, and environmental impacts of machinery systems.
- Teach one course in machine systems, supporting either the FAGE (Food Agricultural and Biological Engineering) or ASM (Agricultural Systems Management) degree programs that encompasses one or more of the Research and Extension programming topics listed above.
- Prepare and present information on precision agriculture and related topics through a variety of teaching methods and media.
- Obtain funding to support research and outreach programs.
- Provide leadership to the profession through state and national professional society participation.
- Advise graduate and undergraduate students.

**Qualifications:** Minimum qualifications include an earned Ph.D. in agricultural engineering, biological engineering or closely allied program; and registration as a Professional Engineer or demonstrated eligibility. It is essential that the candidate has agricultural experience; excellent speaking and writing skills; ability and desire to work in interdisciplinary, interdepartmental Extension and Research teams; and ability to teach in various Extension settings as well as in resident instruction. The candidate must establish and conduct a research program resulting in national impacts and high-quality publications. Industry experience is desirable.

**Salary:** Competitive Salary and Benefits are available, commensurate with qualifications and experience. OSU has an excellent faculty and family benefits program. Columbus provides outstanding cultural and educational diversity. For more information on The Ohio State University, please see our webpage at: <http://www.osu.edu>; and for more information on the city of Columbus, please see <http://www.experiencecolumbus.com>.

**Application:** Applications accepted through August 2013, or until a suitable candidate is found. Applicants should submit a letter of application, resume, academic transcripts, a one-page summary of your philosophy of Teaching (both Outreach Education and Resident Instruction) and Research, and the names and contact information (address, email, phone) of three professional references. Application materials should be sent electronically to:

Dr. Erdal Ozkan, Professor and Search Committee Chair  
Department of Food, Agricultural and Biological Engineering  
The Ohio State University  
590 Woody Hayes Drive  
Columbus, OH 43210-1057  
Telephone: 614/292-3006; Fax: 614/292-9448; E-mail: [machinesystemspos@gmail.com](mailto:machinesystemspos@gmail.com)

*The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, Veterans, disabled veterans and individuals with disabilities are encouraged to apply.*