

**FACULTY POSITION IN AGRICULTURAL ENGINEERING
OR AGRICULTURAL SYSTEMS MANAGEMENT**

POSITION: Assistant/Associate Professor of Agricultural and Biological Engineering

RESPONSIBILITIES: Responsibilities include research and teaching benefiting agriculture in general and Indiana agriculture specifically, and developing a strong, externally funded program resulting in internationally-recognized, high impact scholarship. Possible areas of research specialization include: precision agriculture sensors, and robotic controls for improving production of row-crop, biomass, and/or horticultural crops; integration of remote sensing using unmanned aerial systems and spatial data with other farm management tools; implement automation and control; material application technologies; protocol development to ensure optimal operational efficiency during production, transport, storage, and processing; and the application of information technology for machine and facilities optimization. The successful candidate will engage with industry, governmental agencies, non-governmental organizations, and other stakeholders to find, develop and promote innovative and effective technologies. Improved decision making through utilization of data available from research, public sources, and private sources such as UAVs and farm machinery is expected through collaborations with others such as plant scientists, soil scientists, and economists. The candidate will develop an innovative teaching program for undergraduates and graduates in Agricultural Systems Management &/or Agricultural Engineering which might include topics related to the research topics above. Opportunities to develop a graduate level course also exist. This is an academic year, tenure track, research and teaching position.

QUALIFICATIONS: Applicants must have a Ph.D. in Agricultural and Biological Engineering, Agricultural Systems Management, or a related technical discipline. Excellent oral and written communication skills are a must; research and teaching experience and experience in production agriculture or industry are highly desirable. Eligibility to be licensed as a professional engineer preferred.

THE COLLEGES: The Department is part of the Colleges of Agriculture and of Engineering at Purdue University that are deeply committed to the three land-grant missions (teaching, research, and extension), to international activities and perspectives, and to supporting a diverse and inclusive environment focused on excellence. The College of Agriculture has 11 academic departments, 320 faculty, 2704 undergraduate students, and 690 graduate students. The College of Engineering has 13 academic units, 365 faculty, 7850 undergraduate students, and 3,000 graduate students. Purdue Extension specialists partner with a statewide system of 270 professionals in all 92 counties delivering high-impact research-based programs to stakeholders in Indiana and around the world. The Colleges' strategic plans can be accessed at <https://www2.ag.purdue.edu/Pages/strategicplan.aspx> and <https://engineering.purdue.edu/Engr/AboutUs/StrategicPlan/2009-2014>.

OPPORTUNITIES FOR COLLABORATION: Numerous opportunities for collaborations throughout Purdue University exist. The Purdue Moves Plant Science Initiative is a major investment in several disciplines related to plant production and utilization (<https://ag.purdue.edu/Pages/PlantSciencesInitiative.aspx>). Collaborators will likely be found in the Purdue Agricultural Centers, Center for Commercial Agriculture, Site-Specific Management Center, Center for Food and Agricultural Business, Crop Diagnostics Research & Training Center, Laboratory for Applications of Remote Sensing, and Center for the Environment.

CLOSING DATE FOR APPLICATIONS: Review of applications will begin November 1, 2014 and will continue until the position is filled.

APPLICATION MATERIALS: Letter of interest, resume, official academic transcripts, statement of research and teaching philosophies, and names, addresses and phone numbers of three references. Applications should be submitted electronically to abejob@ecn.purdue.edu. A background check is required for employment in this position.

CONTACT: Address inquiries to: Dr. Dennis Buckmaster, Search Committee Chair;
Email: abejob@ecn.purdue.edu or phone (765) 494-1162

For additional information see <http://www.purdue.edu/ABE>