

**FACULTY POSITION IN AGRICULTURAL  
AND BIOLOGICAL ENGINEERING**

**POSITION: Assistant Professor of Agricultural and Biological Engineering**

**RESPONSIBILITIES:** This is an academic year, tenure track, research and teaching position. Develop a nationally and internationally recognized research and teaching program focused on engineering technologies for the next generation of plant production systems. Research areas may include sensing and control systems for plants (health, status, quality, and yield), plant growth environment (soil, nutrient, water, air, and light), and operation and guidance of farm machinery; this work may involve algorithms for data filtering, data mapping and data analysis. We are interested in both experimental and theoretical work in these fields. This position will leverage the Purdue investment of more than \$20 million in the plant sciences initiative. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses in the Agricultural Engineering program, and perform service at the Department, College and University levels. Collaboration opportunities are outstanding in plant, soil, and atmospheric sciences as well as a wide variety of engineering disciplines (Agricultural, Mechanical, Electrical, Civil). Candidates with experience working with diverse groups of students, faculty and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

**QUALIFICATIONS:** Applicants must have a Ph.D. or equivalent doctoral level degree in Agricultural, Biological, Electrical, or Mechanical Engineering or closely related fields with strong research emphasis on technologies for plant production systems. Eligibility to be licensed as a professional engineer preferred.

**THE COLLEGES:** The Department is part of the Colleges of Engineering and Agriculture at Purdue University that are deeply committed to the three land-grant missions (teaching, research, and extension), to international activities and perspectives that span all missions, and to supporting a diverse and inclusive environment focused on excellence. The College of Engineering is one of the world's leading colleges of engineering with undergraduate programs ranked #10 and graduate programs ranked number #8 by US News & World Report. The College of Agriculture is one of the world's leading colleges of agricultural, food, life, and natural resource sciences and ranked number 8 globally in the 2014 QS World University Rankings. The College of Engineering has 13 academic units, 408 faculty, 8020 undergraduate students, and 3100 graduate students. The College of Agriculture has 11 academic departments, 330 faculty, 2750 undergraduate students, and 685 graduate students. 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>.

Purdue's main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities and events, industries, and excellent schools. Purdue and the College of Engineering have a [Concierge Program](#) to assist new faculty and their partners regarding dual career needs and facilitate their relocation. Purdue is an ADVANCE institution – [www.purdue.edu/dp/advance](http://www.purdue.edu/dp/advance).

**OPPORTUNITIES FOR COLLABORATION:** Numerous opportunities for collaborations throughout Purdue University exist. The Purdue Moves Plant Science Initiative is a major investment in plant production and utilization that presents opportunities for collaboration (<https://ag.purdue.edu/Pages/PlantSciencesInitiative.aspx>). Collaborators may be found in Discovery Park (<http://www.purdue.edu/discoverypark>), Purdue Agricultural Centers, Center for Commercial Agriculture, Site-Specific Management Center, Center for Food and Agricultural Business, Crop Diagnostics Research & Training Center, and Laboratory for Applications of Remote Sensing.

**CLOSING DATE FOR APPLICATIONS:** Review of applications will begin October 15, 2014 and will continue until the position is filled.

**APPLICATION MATERIALS:** Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans and names, addresses and phone numbers of three references. A background check is required for employment in this position.

**CONTACT:** Address inquiries to: Dr. Monika Ivantysynova, Search Committee Chair; Email: [abejob@ecn.purdue.edu](mailto:abejob@ecn.purdue.edu) or phone (765) 447-1609.

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