

Assistant Professor
Department of Agricultural and Biological Engineering
College of Agricultural, Consumer and Environmental Sciences
College of Engineering
University of Illinois at Urbana-Champaign

The Department of Agricultural and Biological Engineering (ABE), College of Agricultural, Consumer and Environmental Sciences and College of Engineering at the University of Illinois at Urbana-Champaign is searching to fill the position of Assistant Professor. This is a 50% teaching and 50% research full time, nine month, tenure track position with emphasis in Off-Road Equipment Engineering.

Departmental Description:

The Department of ABE includes 22 full time faculty members involved in teaching, research and extension. The department houses two programs, the Agricultural and Biological Engineering (ABE) and Technical Systems Management (TSM) programs. The ABE program has two concentrations (Agricultural Engineering and Biological Engineering) covering seven areas of specialization: renewable energy systems; off-road equipment engineering; soil and water resources engineering; bioenvironmental engineering; ecological engineering; food and bioprocess engineering; and nanoscale biological engineering. In Fall 2014, there are approximately 207 undergraduates pursuing BS degrees in TSM, 184 undergraduates pursuing BS degrees in ABE, 13 graduate students pursuing MS in TSM (including Professional Science Masters, i.e. PSM), and 70 graduate students pursuing MS and PhD degrees in ABE. For more information see <http://abe.illinois.edu/>.

Qualifications:

PhD in agricultural and biological engineering, mechanical engineering, or closely related field is required and degree requirements must be met by the close of application deadline. It is also required that at least one degree be in a field of engineering. It is essential that the candidate has a strong background and/or interest in off-road equipment engineering in the context of agriculture, food, energy, and the environment. The candidate is also expected to demonstrate excellent speaking and writing skills, the ability and desire to work in interdisciplinary, interdepartmental teaching and research teams, the potential to attract competitive external funding for teaching and research, and the ability to publish high quality scholarly articles. Formal classroom teaching experience is highly desirable.

Major Responsibilities:

Conduct teaching programs in ABE and TSM undergraduate and graduate education. Establish and sustain a successful research program in off-road equipment engineering applied to agriculture, food, energy and the environment. Example research areas include, but are not limited to, advanced off-road machinery design, manufacturing, management, and operation; automation of agricultural tasks; integrated and precision farming methodologies; and data analysis and information management. Advise undergraduate and graduate students in ABE and TSM. Provide leadership to the profession through national and international professional societies and activities.

Proposed Starting Date: August 16, 2015 Salary: The salary is commensurate with experience and qualifications.

Applications:

To ensure full consideration, candidates should apply by January 15, 2015. The search committee requests that the candidates please create the candidate profile at <https://jobs.illinois.edu> and upload one document with all material in the following order.

- 1) Letter of application/interest
- 2) Curriculum vita
- 3) Contact information for three professional references (include name, title, address, phone, fax, email)
- 4) Teaching statement,5) Research statement

All requested information must be submitted by close of business on January 15, 2015, for the candidate's application to be given full consideration. For further information, contact Dr. Alan Hansen, Search Committee Chair, via email (achansen@illinois.edu).

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity (www.inclusiveillinois.illinois.edu).