

Call for Applications: PhD Positions on Plant Phenotyping with Imaging and Sensors

Purdue University's Department of Agricultural and Biological Engineering is part of Purdue University's Plant Science "Big Moves" Initiative. The program calls for applications for PhD positions working on imaging and sensors development for plant phenotyping, which are available in Spring/Summer/Fall of 2016. The successful candidates will be involved in the development of next generation plant phenotyping systems. More specifically, the research will include integrating modern sensor technologies such as hyperspectral, 3D, thermal, fluorescent cameras, and related technologies for plant screening purpose. The candidates will also be studying imaging processing and machine vision algorithms. Statistical modeling and big data analysis will be conducted to assist the search of plant genes in a much faster speed than before, so as to produce more and safer food for the world's growing population.

The candidate is expected to have a bachelor or master's degree in Agricultural Engineering, Computer Science, Computer Engineering, Electrical Engineering, Mechanical Engineering or other related areas. Computer programming skills are required in one or more programming languages such as MATLAB, C with OpenCV, Python, etc. Research experiences in some of the following areas are highly desired: image processing, machine vision, scientific photography, robotics, automation and control, mobile apps development, CAD design, statistics modeling, artificial intelligence algorithms, circuit designing and so on.

We are always looking for outstanding students to join our innovative research program. Outstanding students who apply early may be considered for prestigious fellowships.

Application deadline is December 1, 2015 for Fall and Summer 2016. Oct 1, 2015 for Spring 2016.

We encourage you to submit your application or send a resume and letter of interest as early as possible.

Be sure to include:

- GRE scores
- Names of 3 references
- Statement of Purpose
- English proficiency
(*International students only*)

Check our website for further details.

<https://engineering.purdue.edu/ABE/InfoFor/ProspectiveGraduateStudents>

Please feel free to contact Dr. Jian Jin (jinjian@purdue.edu) with questions.

Agricultural & Biological Engineering

225 S. University Street ■ West Lafayette, IN 47907-2093
(765) 494-1162 ■ Fax: (765) 496-1115 ■ www.purdue.edu/abe

