Position Announcement - Bioproducts Systems Analysis

Assistant Professor

The Pennsylvania State University

This is a 36-week, tenure track teaching and research appointment in the Department of Agricultural and Biological Engineering, College of Agricultural Sciences.

The successful candidate will develop a nationally and internationally recognized program applying analysis, optimization, and modeling tools to ecologically and socially transformative bioproduct and bioprocess systems. Examples of specific areas of research include applications of systems tools to bioproducts production, manufacturing and supply chains, sustainable food production and food safety; agriculturally and biologically derived materials, chemicals, and related products.

Teaching responsibilities will include three courses in the area of systems analysis, bioproducts, food and biological process modeling. A specific course to be covered is BRS 429W, Biorenewable Systems Analysis. Development of a graduate level optimization or related systems analysis course focused on bioproduct production, processing, and distribution systems is desired. Participation in the development of a BRS capstone course is also expected. Engagement with and support of the BioRenewable Systems programs is expected. The ABE department fosters a highly collaborative scholastic culture supporting course and curriculum development.

The candidate will advise and mentor undergraduate and graduate students in a diverse, multicultural and transdisciplinary global program. The candidate will maintain high pedagogical standards and contribute to our positive, engaging scholastic community. Undergraduate and graduate student advising is expected.

**Qualifications:** A Ph.D. in agriculture, wood science/technology, engineering, systems science or related technical field is required. The successful candidate must have completed all degree requirements by the appointment date. A focus in operations research, logistics, or systems engineering is preferred. Communication, creative leadership, collegiality, and the ability to work cooperatively among a diverse population of students, faculty, staff, industry and agency groups is essential in our department and university. All employees must pass background checks.

**Salary:** Competitive, commensurate with background and experience. An attractive benefits package is available.

**Application**: Candidates must provide a curriculum vitae, copies of graduate transcripts, statements of teaching and research experiences and interests, up to three relevant publications, and a list of at least three professional references.

Job application review will begin on April 1 and remain open until a suitable candidate is selected.

To apply for this position, go to: <https://psu.jobs/job/85870>

Questions can be directed to search committee chair Dr. Virendra Puri, The Pennsylvania State University at vmpuri@psu.edu.

To review the Annual Security Report which contains information about crime statistics and other safety and security matters and policies, please go to <https://police.psu.edu/annual-security-reports>, which will also explain how to request a paper copy of the Annual Security Report.

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