## **Assistant Professor – Agricultural Machine Systems Engineering**

The School of Agricultural, Forest, and Environmental Sciences (SAFES), within the College of Agriculture, Forestry, and Life Sciences (CAFLS) at Clemson University, is seeking to fill a tenure-track position at the Assistant Professor level in the area of Agricultural Machine Systems Engineering. The position is a 9-month appointment. The desired starting date is August 1, 2015.

Clemson University is a Land Grant university located on the shores of Lake Hartwell within view of the Blue Ridge Mountains in the Upper Piedmont of South Carolina, USA. The 1,400 acre campus is part of the 18,000 acres of University Farms and Forests devoted to teaching and research. Clemson University is recognized as a Top 20 public university by U.S. News and World Report.

The successful candidate will be expected to develop a nationally-recognized, externally-funded research program on agricultural machine systems engineering that may include: machine design, field machinery automation, post-harvest handling and processing, sustainable practices for the production of agricultural commodities, precision agriculture technologies, and reduction of environmental impacts from mechanized agriculture. The person selected for this position will also be expected to develop a dynamic teaching program that complements the undergraduate Agricultural Mechanization and Business curriculum. Undergraduate and graduate courses of instruction may include: machine components and systems, rotary power and fluid power transfer, bulk material handling, machinery automation, and precision agricultural technologies. Duties will also include significant contributions to: student mentoring and advising; preparing students for careers in the agricultural and machinery industries, academia, and government agencies. In addition, the person who fills this position will be expected to provide leadership in the development of an interdisciplinary team focusing on development of mechanical technologies to enhance production of row crops, forages, vegetables, or specialty crops of economic and agronomic importance to South Carolina land owners. The person selected for this position will work closely with on- and off-campus research and Extension personnel, agricultural producers, and governmental and non-governmental organizations to plan and develop programs that support profitable agricultural production systems.

Qualified candidates should hold a Ph.D. in Agricultural Engineering or related engineering field. Preference will be given to candidates with experience in agricultural production or machinery, evidence of research productivity, effective classroom instruction, excellent speaking and writing skills, and potential to secure external funding to support an active research program.

## **Application Procedure**

Please email a single PDF file (Lastname\_MachineSysEngr.pdf) including: (1) a letter of interest with applicant's contact information; (2) names, titles, and contact information for three references; (3) a one-page teaching philosophy; (4) a one-page research plan; (5) an unofficial transcript from all degree-granting institutions(BS, MS, Ph.D.); and (6) a Curriculum Vitae to the search committee chair shown below:

Search Committee Chair In care of Ms. Jennifer Hooper jthoope@clemson.edu Clemson University 272G Lehotsky Hall Clemson, SC 29634 864-656-0626 (office) 864-656-3304 (fax)

Review of materials will begin immediately and continue until the position is filled. To ensure full consideration, please submit materials by November 25, 2014 or until appropriate candidate is found.

The Jeanne Clery Disclosure Act requires institutions of higher education to disclose campus security information including crime statistics for the campus and surrounding areas. As a current of prospective Clemson University employee, you have the right to obtain a copy of this information for this institution. For more information regarding our Employment, Campus Safety and Benefits, please visit the Human Resources – Prospective Employees web page shown below: <a href="http://www.clemson.edu/cao/humanresources/prospective/">http://www.clemson.edu/cao/humanresources/prospective/</a>

Job search webpage: http://www.clemson.edu/safes/hiring/

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