Position Title: Engineering Lab Manager - Engineer V

Job Description: The Department of Agricultural and Biosystems Engineering is seeking an Engineering Lab Manager - Engineer V for the new Off-Highway Vehicle Chassis Dynamometer Laboratory and the Soil-Machine Dynamics Laboratory located at the BioCentury Research Farm and the Agricultural Engineering and Agronomy Research Farm, both located 6 miles west of the ISU main campus on Highway 30.

The Engineering Lab Manager is responsible for managing the Soil Machine Dynamics Laboratory (SMDL) and the Off-Highway Vehicle Chassis Dynamometer Laboratory (OHVCDL) research and teaching facilities. This position will develop standard operating procedures (SOPs), develop safety and environmental protocol, develop and manage fee structure and operating procedures for interactions with the laboratory customers and interact with external and internal customers to negotiate test agreements. This position will design and document experimental procedures for the equipment, instrumentation and measurement systems, lead and work with ISU faculty, staff, and students in carrying out experiments and managing test data, scheduling facilities use and tests.

Additional responsibilities include collaborating with faculty in the promotion of the facilities, hiring, training, scheduling, and managing undergraduate students working in the facilities and developing and maintaining a maintenance schedule for each facility.

The ISU Soil-Machine Dynamics Laboratory was founded in 2019 as a public center of reference for research and development at the soil-machine interface including both traction and tillage. The lab has three main pieces of equipment: the 27 m long mobility bin, the 15 m long soil tool interaction bin, and the circular accelerated wear bin. The lab is located at the Iowa State University Agricultural Engineering and Agronomy Research Farm located between Ames and Boone on US 30. For more information, please visit: www.abe.iastate.edu/smd-lab

The ISU Off-Highway Vehicle Chassis Dynamometer Laboratory is being built and is anticipated to be opened in spring 2020. The state-of-the-art dynamometer will enable controlled, dynamic testing of complete off-highway vehicles with advanced traction control systems. The facility is designed to test vehicles up to 450 kW (600 Hp), with speeds of up to 80 km/h (50 mph), and offers independent monitoring and loading of each wheel. It will be one of the few facilities of its type capable of testing large construction and farm machinery. For more information, please visit: www.abe.iastate.edu/off-highway-vehicle-chassis-dyno

Required Minimum Quals: Bachelor's degree and 5 years of related experience; OR a Master's degree and 3 years of related experience.

Preferred Qualifications:
- Degree in Agricultural Engineering, or Mechanical Engineering, or related Engineering degree.
- Master’s degree.
- Experience with vehicle performance testing and soil to machine interactions testing.
- Supervisory experience.
- Familiarity with and/or experiences in the off-highway vehicle engineering field, such as agricultural, construction, or turf machinery engineering.

Job Group: Professional & Scientific

Appointment Type: Regular with Term Appointment (Fixed Term)

Number of Months Employed Per Year: 12 Month Work Period

Time Type: Full time

Pay Rate Type: Salary

Pay Grade: 37
Application Instructions: To apply for this position, please go to the link below and click on “Apply” and complete the Employment Application. Please be prepared to enter or attach the following:

1) Resume/Curriculum Vitae
2) Letter of Application/Cover Letter
3) Contact Information for Three References

isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Engineering-Lab-Manager---Engineer-V_R1391

If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485. For questions about the position, please contact Brian Steward at bsteward@iastate.edu or 515-294-1452.

Original Posting Date: December 17, 2019

For consideration, submit application before: January 13, 2020

Job Requisition Number: R1391

About Iowa State University: Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. More than 36,000 students are enrolled and are served by over 6,200 faculty and staff.

Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. We know that diversity in experience and perspective is vital to advancing innovation, critical thinking, solving complex problems, and building an inclusive academic community. At Iowa State, we translate these values into action by seeking individuals who have experience working with diverse students, colleagues, and constituents. The university has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in Iowa State University’s Principles of Community.

All offers of employment, oral and written, are contingent upon the university’s verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check and/or a consumer credit check.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email eooffice@iastate.edu.

If you have questions about the application process please email employment@iastate.edu or call 515-294-4800 or Toll-Free at 1-877-477-7485. Iowa State University provides reasonable accommodations to applicants and employees with disabilities. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should email employment@iastate.edu or call (515) 294-4800 or Toll-Free: (877) 477-7485. TTY users are welcome to use the Iowa Relay Service number by dialing 7-1-1 or (800) 735-2942.

General ISU compensation information can be found here: https://www.hr.iastate.edu/careers/compensation.

The posting will close at 12:00 AM on the date listed below. The posting will no longer be available to apply to after 11:59 PM the day prior.