Tenure Track Faculty Position in Experimental Fluid Dynamics

The Department of Mechanical Engineering at The University of Idaho invites applications for a tenure-track faculty position at the rank of Assistant Professor with expertise in Experimental Fluid Dynamics. The position will be available beginning in the fall of 2018. Successful applicants must have a Ph.D. in mechanical engineering or a closely related engineering discipline, and a record of accomplishment that demonstrates outstanding abilities or potential in the following skills: oral and written communication, undergraduate/graduate teaching and course development, experimental laboratory course teaching, research and grantsmanship, publication of scholarly activities in peer reviewed journals, academic and professional advising, and workplace cooperation. Duties include developing an externally funded research program, teaching undergraduate and graduate courses, advising undergraduate as well as graduate students, leading instructional laboratory development efforts, and providing service to the university and profession.

Preference will be given to candidates in fundamental and/or applied experimental fluid dynamics with research experience using advanced measurement techniques in applications including but not limited to micro-scales (micro-fluid dynamics, molecular fluid surface interactions), macro-systems (environmental and industrial flow problems), and broader engineering applications such as complex fluids and energy-related issues. The state of Idaho has a growing economy with many exciting opportunities to collaborate with regional industry and government laboratories on fluid dynamics problems related to manufacturing, food processing, water/wastewater treatment, and nuclear thermal-hydraulics. Successful candidates will demonstrate the ability to develop and conduct independent research that augments and complements research strengths of current faculty in the department.

Minimum Qualifications

- Ph.D. in mechanical engineering or closely related field.
- Strong oral and written communication skills.
- Ability to develop and teach undergraduate and graduate courses.
- Ability to publish research in peer-reviewed journals.
- Expertise in fundamental and/or applied experimental fluid dynamics with research experience using advanced measurement techniques. (x2)
- Ability to develop an externally funded research program.
- Workplace cooperation skills.
- Ability to participate in academic and professional advising.
- Registered professional engineer (PE) or become a registered PE within five years.
Preferred Qualifications

- Experience in teaching experimental courses and laboratories. (x2)
- Ability to lead laboratory development efforts.
- Ability to collaborate with regional industry and government laboratories on fluid dynamics problems related to (but not limited to) manufacturing, food processing, water/wastewater treatment, and nuclear thermal-hydraulics
- Strong record of scholarly achievement.

Application packages should include a letter of transmittal addressing the above skills, a detailed current curriculum vita, statement of research plans, statement of teaching interests and philosophy, and names and contact information for at least three references. All application materials must be submitted electronically to University of Idaho’s Human Resource Office at https://www.uidaho.edu/human-resources/jobs. For full consideration, applications should be submitted no later than January 3, 2018. Further information about the department, college, and university can be accessed on the web at www.uidaho.edu or by contacting the department at 208-885-6579.

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