SEARCH PROSPECTUS:

A Cluster of Five Engineering and Science Faculty

Idaho State University
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Idaho State University seeks to develop an interdisciplinary community of scholars who will build and sustain educational and research excellence in technology and its energy applications. This effort is central to a polytechnic initiative funded by the State of Idaho and Idaho State University (ISU), in partnership with the Idaho National Laboratory (INL) and other key industry and educational partners in Eastern Idaho. ISU plans to hire a cluster of five faculty members whose proven capabilities complement INL's emphasis on the generation, distribution and security of electric power. These faculty will be key to creating a new, interdisciplinary polytechnic center of excellence in the Intermountain/Pacific Northwest as ISU builds capacity and opportunity in engineering and affiliated disciplines.

Applicants from the fields of electrical engineering, computer engineering, cybersecurity, computer science and data science are encouraged to apply. Subject matter expertise in energy-relevant areas of informatics, cybersecurity and smart-grid technology are of particular interest. Applications are for tenure track or tenured positions at the rank of assistant or associate professor in the College of Science and Engineering. The positions will be located at ISU's campus in Idaho Falls.
Idaho State University offers exceptional academic opportunities in 280 programs, and its faculty and students are leading the way in cutting-edge research and innovative solutions in the areas of energy, health professions, nuclear research, teaching, humanities, engineering, performing and visual arts, technology, biological sciences, pharmacy, and business. ISU is the state’s designated lead institution in health professions and medical education.

Idaho State University, founded in 1901, serves a diverse population attracting students from its region and around the world to its Idaho campuses. At the main campus in Pocatello, and at locations in Meridian, Idaho Falls and Twin Falls, ISU offers access to high quality education.

Over 13,000 students attend ISU, receiving education and training in those programs. For more information, visit: www.isu.edu.

ISU’s mission, stated in the recently approved Strategic Plan for 2018-2022 is as follows:

Idaho State University is a public research-based institution that advances scholarly and creative endeavors through academic instruction, and the creation of new knowledge, research, and artistic works. Idaho State University provides leadership in the health professions, biomedical and pharmaceutical sciences, as well as serving the region and the nation through its environmental science and energy programs. The University provides access to its regional and rural communities through delivery of preeminent technological undergraduate, graduate, professional, and interdisciplinary education. The University fosters a culture of diversity, and engages and impacts its communities through partnerships and services.

Five goals to be addressed are: Grow Enrollment; Strengthen Retention; Promote ISU’s Identity; Strengthen Communication, Transparency, and Inclusion; and Enhance Community Partnerships.
The College of Science and Engineering (CoSE) with facilities both on the ISU campuses in Idaho Falls and Pocatello includes the departments of biological sciences; chemistry; computer science; geosciences; mathematics and statistics; physics; civil and environmental engineering; electrical engineering; mechanical engineering; nuclear engineering; and health physics. During the 2016-17 academic year, 138 full- and part-time faculty offered programs leading to bachelors, masters, and doctoral degrees to a student body of about 1700 undergraduates and 250 graduate students. CoSE is proud of its educational opportunities and research activities. Collaborations exist with the Idaho National Laboratory, ON Semiconductor, and other federal, state, and private agencies.

Idaho State University’s proximity to government research facilities has allowed the College to build a portfolio of collaborative, interdisciplinary research involving relationships with government and private sector partners. The College has nurtured collaborative synergies between science and engineering in advanced energy studies, materials science, earth and environmental sciences, and other fruitful research areas. Exceptional opportunities are available to grow these programs, and for the development of biomedical research programs in cooperation with ISU’s health sciences units, and science and engineering in Idaho Falls in cooperation with the Idaho National Laboratory.

The State of Idaho and INL have entered into two new joint projects that will provide exciting opportunities for new faculty in the ISU Polytechnic. A building under construction on the ISU campus in Idaho Falls will house the Cybercore Integration Center that will bring together ISU, other universities, industry and government to protect critical infrastructure from cyber attack. Another new building will house the Collaborative Computing Center (C3) which will emphasize high performance computing capabilities in support of energy research. Both new facilities are being built adjacent to the Center for Advanced Energy Studies (CAES), which serves as a home to ISU and other university researchers and educators as they collaborate with INL to innovate in energy and economic growth.
Southeast Idaho is centrally located between Salt Lake City, Utah, and the popular vacation destinations of Yellowstone National Park, Grand Teton National Park, and Jackson, Wyoming. Idaho Falls is frequently ranked as one of the nation’s best locations for outdoor recreation, providing opportunities for mountain biking, hiking, kayaking, fishing, camping, skiing, and rock climbing.

Based on average housing costs, utilities, healthcare, transportation, groceries, and other services, Idaho’s cost of living is ranked one of the lowest in the nation. The FBI ranks Idaho’s crime rate as the lowest in the West.
Idaho State University plans to hire five faculty members from the following fields:

- Electrical engineering
- Computer engineering
- Cybersecurity
- Computer science
- Data science

Successful applicants will have the opportunity to join a dynamic team of engineers and scientists on the Idaho Falls and Pocatello campuses and to partner with engineers and scientists in pioneering research at INL, which is adjacent to the ISU campus in Idaho Falls.

**Required Qualifications:**

- Ph.D. or equivalent in a relevant discipline, with post-doctoral experience preferred

For Assistant Professor applicants:

- Demonstrated interest in and aptitude for undergraduate and graduate education
- Strong potential for extramural funding for research related to INL's mission and capabilities
- Experience with multi-disciplinary collaboration or willingness to engage in such

For Associate Professor applicants:

- Demonstrated experience in teaching and training of students
- Funded collaborative research
- Experience with multi-disciplinary collaboration or willingness to engage in such
- Academic leadership

**Preferred Qualifications:**

- Ability to be granted access to restricted facilities of the United States government
- Professional industry experience
- US Citizens or Permanent Residents
- Valid work permits

Detailed information about the position and ISU’s profile can be found at: [http://academic-search.com/sites/default/files/ISUfacultyCoSE.pdf](http://academic-search.com/sites/default/files/ISUfacultyCoSE.pdf)
Inquiries, nominations, and applications are invited. The review of nominations and applications will begin immediately, and expressions of interest will be welcomed until an appointment is made. Applications received by January 15, 2019, will be given full consideration. Send a letter of application; curriculum vitae; and the names, addresses, telephone numbers and email addresses of five professional references. Calls to references will occur later in the search process and only with prior notification of candidates. All submissions will be treated in confidence and should be sent electronically (.pdf or MS Word format preferred) to: ISUFacultyCOSE@academic-search.com. The committee is assisted by Dr. Wanda Durrett Bigham, Senior Consultant, who can be reached at wdb@academic-search.com.

The University does not discriminate against any employee or applicant for employment because of race, color, creed, religion, national origin, gender, sexual orientation, age, gender identity, genetic information, disability, or protected veteran status, or any other status protected by state or local law, and provides equal employment opportunity and affirmative action for qualified individuals.
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