

Professor (All Ranks) Advanced Semiconductor
Arizona State University

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Posted Nov. 24, 2021, set to expire Mar. 19, 2022

Job Title	Professor (All Ranks) Advanced Semiconductor
Department	
Institution	Arizona State University Tempe, Arizona
Date Posted	Nov. 24, 2021
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professor
Academic Field(s)	Mechanical Engineering
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Job Description

Arizona State University
Ira A. Fulton Schools of Engineering
School for Engineering of Matter, Transport & Energy
Professor (All Ranks) Advanced Semiconductor
Location: Arizona State University – Tempe

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and School for Engineering of Matter, Transport & Energy seek applicants for a tenure-track or tenured faculty position in the area of advanced semiconductors, semiconductor manufacturing, and advanced microscopy areas. The School for Engineering of Matter, Transport & Energy, one of the seven Fulton Schools, houses a vibrant materials, chemical engineering, microscopy, aerospace, and mechanical engineering research community (Learn more at https://apptrkr.com/get_redirect.php?id=2654546&targetURL=https://research.engineering.asu.edu/)https://apptrkr.com/get_redirect.php?id=2654546&targetURL=https://research.engineering.asu.edu/)
We seek applicants who complement our abilities in these areas to solve grand challenges as part of a

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community of experts. Areas of interest include but are not limited to: additive semiconductor manufacturing; advanced electron microscopy and spectroscopy, bridging semiconductors and quantum materials into integrated systems for applications in quantum information and semiconductor technologies.

We seek applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the University to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects and undertake service activities.

This search is part of ASU's engagement with the Arizona's New Economy Initiative (NEI), a bold effort to ensure that Arizona leads the new economy that will rely on engineering, computing and technology to drive sustainable growth, resilience and opportunities for all. NEI investments in the Fulton Schools of Engineering will grow our world class faculty to accelerate research outcomes and to broaden student access to our programs; will establish Science and Technology Centers to foster the growth of new economy Industries; and will expand experiential learning and workforce training opportunities.

Appointment will be at the assistant, associate, or full professor rank commensurate with the candidate's experience and accomplishments, beginning August 2022. Although appointments may be in any of Fulton Engineering's six schools, an appointment is expected in the School for Engineering of Matter, Transport and Energy.

Faculty members are expected to develop an internationally recognized and externally funded research program, teach undergraduate and graduate courses, mentor undergraduate and graduate students, foster and contribute to inclusive work environment, and undertake service activities.

Qualifications

Required qualifications:

Earned doctorate in Materials Science and Engineering, Physics, Mechanical Engineering, Chemical Engineering, or a related field by the time of appointment

Evidence of excellence in research, as appropriate to the candidate's rank

Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching

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Evidence of successful implementation of student-centric teaching and delivering courses in multiple technology-enhanced formats

Application Instructions

Application deadline is January 05, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. To apply, visit

[url=https://apptrkr.com/get_redirect.php?id=2654546&targetURL=https://hiring.engineering.asu.edu/]https://hiring.engineering.asu.edu/ and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

Cover letter

Curriculum Vitae

Statement describing research interests (two pages maximum)

Statement describing teaching interests and philosophy (two pages maximum)

Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*

Contact information for three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter. All individuals who can strengthen the diversity of our academic community are encouraged to apply.

For additional information regarding position specifics, please contact the search committee chair, Professor Tongay via email at

[url=https://apptrkr.com/get_redirect.php?id=2654546&targetURL=mailto:sefaattin.tongay@asu.edu]sefaattin.tongay@asu.edu

COVID-19 Vaccination Requirements - Under the recent executive order issued by President Biden requiring all employees of federal contractors to receive COVID-19 vaccinations, ASU expects all employees, including new hires, to be vaccinated unless they have an approved medical or religious accommodation. Proof of vaccination will be required by January 4, 2022. For questions about medical or religious accommodations, please visit the Office of Diversity, Equity and Inclusion's webpage.

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Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. (See

[url=https://apptrkr.com/get_redirect.php?id=2654546&targetURL=https://www.asu.edu/aad/manuals/acd/acd4

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at [url=https://apptrkr.com/get_redirect.php?id=2654546&targetURL=https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf.]https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

To Apply, visit:

[url=https://apptrkr.com/2654546]https://apply.interfolio.com/99143

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

Arizona State University

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