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# Professor (all ranks) in Manufacturing and Biomanufacturing

Arizona State University: Ira A. Fulton Schools of Engineering: School for Engineering of Matter, Transport and Energy



Location	Open Date
Arizona State University - Tempe Campus	Nov 4, 2019

## Description

The Ira A. Fulton Schools of Engineering (FSE) at Arizona State University (ASU) and the School for Engineering of Matter, Transport and Energy are hiring faculty to support a broad initiative in manufacturing and biomanufacturing. In conjunction with that initiative, we seek applicants for tenure-track/tenured faculty positions in the areas of manufacturing of advanced materials (metals, polymers, ceramics, semiconductor, and composites) and biomanufacturing/biofabrication (biomolecules, biomaterials, cells and tissues). Areas of interest include but are not limited to: additive manufacturing; biomanufacturing of biomolecules, cells, and/or tissues; large-scale processing of advanced structural materials and biologics; bio-inspired fabrication, and integration of biological and inorganic materials into complex systems. The appointment will be at the assistant, associate, or full professor rank commensurate with the candidate's experience and accomplishments, beginning August 2020. Although appointments may be in any of Fulton Engineering's six schools, the School for Engineering of Matter, Transport and Energy is the intended home for these candidates.

We seek applicants who will contribute to our programs and will leverage investments by the university in promoting interdisciplinary teaching and research. These investments include, among others, the Manufacturing & Technology Innovation Hub (<https://additive-manufacturing.engineering.asu.edu/> (<https://additive-manufacturing.engineering.asu.edu/>)), Lightworks (<https://sustainability.asu.edu/lightworks> (<https://sustainability.asu.edu/lightworks>)), and the Biodesign Institute (<https://biodesign.asu.edu/> (<https://biodesign.asu.edu/>)), along with academic programs across the university. Collaborations with faculty in NSF Engineering Research Centers: CBBG (<https://cbbg.engineering.asu.edu/> (<https://cbbg.engineering.asu.edu/>)) and NEWT (<http://www.newtcenter.org/> (<http://www.newtcenter.org/>)) and/or our health partners in the local area including the Mayo Clinic ([www.mayoclinic.org](http://www.mayoclinic.org) (<https://www.mayoclinic.org/>)), Translational Genomics Institute ([www.tgen.org](http://www.tgen.org) (<https://www.tgen.org/>)), Barrow Neurological Institute ([www.barrowneuro.org](http://www.barrowneuro.org) (<https://www.barrowneuro.org/>)), Banner Health ([www.bannerhealth.com](http://www.bannerhealth.com) (<https://www.bannerhealth.com/>)) and Phoenix Children's Hospital

## Application Process

This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials, including confidential letters of recommendation, free of charge.

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([www.phoenixchildrens.org](http://www.phoenixchildrens.org) (<http://www.phoenixchildrens.org/>)) are encouraged. The current openings are intended to broaden our expertise and expand collaborations.

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:**

- Ph.D. or equivalent in Chemical Engineering, Materials Science and Engineering, Mechanical Engineering, or a field closely related to the stated research and teaching focus of this position by the time of appointment;
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

### **Desired qualifications:**

- Commitment to trans-disciplinary teaming;
- Ability to engage in well-established research initiatives with numerous health care providers within the Phoenix area

## **Application Instructions**

Application deadline is December 16, 2019. 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, candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Diversity Statement\*
- 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 diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, and inclusion and how future activities will align with upholding the ASU Charter.

For more information or questions about this position, please contact the search committee co-chairs, Prof. Kaushal Rege at [Kaushal.Rege@asu.edu](mailto:Kaushal.Rege@asu.edu) (<mailto:Kaushal.Rege@asu.edu>) or Prof. Kiran Solanki at [Kiran.Solanki@asu.edu](mailto:Kiran.Solanki@asu.edu) (<mailto:Kiran.Solanki@asu.edu>).

**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 <https://www.asu.edu/aad/manuals/acd/acd401.html> (<https://www.asu.edu/aad/manuals/acd/acd401.html>) and <https://www.asu.edu/titleIX/> (<https://www.asu.edu/titleIX/>).

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 <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.