

PhD student/postdoc
Arizona State University

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Posted Apr. 9, 2025, set to expire Aug. 9, 2025

Job Title	PhD student/postdoc
Department	Mechanical Engineering/Materials Science & Engineering https://semte.engineering.asu.edu/
Institution	Arizona State University Tempe, Arizona
Date Posted	Apr. 9, 2025
Application Deadline	Open until filled
Position Start Date	Fall 2025 or Spring 2026
Job Categories	Graduate Student Post-Doc
Academic Field(s)	Mechanical Engineering Material/Metallurgy Aerospace/Aeronautical/Astronautics
Job Website	https://wonmokang3.wixsite.com/website
Apply By Email	wonmo.kang@asu.edu
Job Description	

Open positions: 1-2 PhD students

We are seeking 1-2 research assistants for a PhD degree in either the Materials Science & Engineering (MSE) or Mechanical Engineering (ME) program at Arizona State University (ASU) in Tempe, AZ. Exceptional postdoctoral candidates will also be considered.

The current positions are available in the areas of **(1) Advanced manufacturing of graphene-metal composites**

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and **(2) Plasma processes in semiconductor fabrication**. Candidates with a strong MSE, ME, or other relevant background are encouraged to apply. The PhD positions will begin either in Fall 2025 or Spring 2026.

These projects are supported by the National Science Foundation and Applied Materials, a leading semiconductor company. Successful candidates will have unique opportunities to interact with Prof. Eric Nian at ASU, as well as with collaborators at Applied Materials, the Korea Institute of Machinery & Materials (KIMM), and the U.S. Naval Research Laboratory (NRL). Candidates who are interested in pursuing careers in academia, national laboratories or the semiconductor industry are particularly encouraged to apply.

Applications will be immediately reviewed until the positions are filled. Interested candidates should submit a detailed CV to Prof. Wonmo Kang (wonmo.kang@asu.edu).

1. Support: Tuition, stipend, and conference travel
2. Eligibility: Self-motivated students with a master's or bachelor's degree in MSE, ME, or other relevant programs

For additional details, please use the links below:

<https://wonmokang3.wixsite.com/website>

Contact Information

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

Contact Wonmo Kang
Mechanical Engineering/Materials Science &
Engineering
Arizona State University
Tempe, AZ