Assistant or Associate Professor of Advanced Computational Materials
Rice Advanced Materials Institute at Rice University

Job Title	Assistant or Associate Professor of Advanced Computational Materials
Department	Rice Advanced Materials Institute https://rami.rice.edu/
Institution	Rice Advanced Materials Institute at Rice University Houston, Texas
Date Posted	Dec. 3, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Material/Metallurgy Electrical and/or Electronics Engineering - Other
Apply Online Here	https://apply.interfolio.com/178436
Apply By Email	

Job Description

Assistant or Associate Professor of Advanced Computational Materials

Tenure-Track Faculty Opening with the Rice Advanced Materials Institute

School of Engineering and Computing and the School of Natural Sciences at Rice University

Assistant or Associate Professor of Advanced Computational Materials
Rice Advanced Materials Institute at Rice University

https://rami.rice.edu/

https://engineering.rice.edu/

https://naturalsciences.rice.edu/

Position Description

The Rice Advanced Materials Institute (RAMI) at Rice University, located in Houston TX, seeks applications for tenure-track Assistant and/or Associate Professor position in the area of *advanced computational and/or applied artificial intelligence (AI)/machine learning (ML)*-informed materials *research* with an anticipated start date of July 1, 2026 to January 1, 2027. RAMI, working in conjunction with the Schools of Engineering and Computing and Natural Sciences and the Departments therein, seeks applicants from diverse backgrounds for potential tenure-track faculty positions in Departments to be determined by the best natural fit and input of the candidate (*e.g.*, potential departments could include, but not be limited to, Chemical and Biomolecular Engineering, Chemistry, Electrical and Computer Engineering, Materials Science and NanoEngineering, Mechanical Engineering, or Physics and Astronomy). More experienced candidates nearing the transition to or having already recently transitioned to the Associate Professor level and conducting transformative research projects will be considered.

We seek outstanding candidates with research interests in theoretical, computational, modeling, and/or simulation of materials science (and related fields) and the application of advanced AI and ML approaches to accelerate, improve, or revolutionize the same. Research spanning all of aspects of materials including soft/hard matter, inorganic/organic materials, etc. is welcomed, as long as that research maps significantly to one or more of the RAMI core research areas, including:

- Next-generation Electronics/Photonics – Developing materials to enable a new paradigm in microelectronics ranging from memory/logic to communications to sensors and beyond, with a focus on low-power/voltage function.
- Energy Materials (Systems) – Developing materials innovations to transform energy storage and conversion/harvesting.
-

Assistant or Associate Professor of Advanced Computational Materials
Rice Advanced Materials Institute at Rice University

> Materials for the Environment – Developing materials innovations to assure responsible use of natural resources and long-term stewardship of our air, soil, and water resources.

This effort is being initiated through RAMI, a campus-wide institute with the goal of expanding Rice's already strong efforts in materials research across many departments in science and engineering. RAMI includes >70 current faculty members working on a wide array of research that overlap with RAMI's core research focus areas. Rice considers efforts to bolster these areas as a focal point of materials research in the coming years.

The selected candidates will be expected to teach and develop undergraduate and graduate courses within their expertise and home department; perform high-quality research in their specialized area and present findings from their research in peer-reviewed publications and conferences; establish a strong research program supported by extramural funding; be involved in service to the university and broader scientific community; and collaborate with faculty in diverse disciplines. Successful candidates will have a strong commitment to teaching, advising, and mentoring undergraduate and graduate students from diverse backgrounds.

We welcome the fullness of diversity to Rice. Qualified applicants are considered without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status. Also, in our candidate pools, we seek to attract greater representation of women, scholars of color, people with disabilities, veterans, and others who have historically been underrepresented in advanced materials; attract students from a wide range of countries and backgrounds; accelerate progress in building a faculty and staff varied in background and thought; and maintain an environment that fosters interaction and understanding within our community.

About the Rice Advanced Materials Institute

The Rice Advanced Materials Institute (RAMI) serves as the catalyst for materials research across Rice University. Bridging the George R. Brown School of Engineering and Computing and the Wiess School of Natural Sciences, RAMI fosters interdisciplinary collaboration to solve global challenges in energy, sustainability, and information technology. The Institute supports a vibrant community of scholars and provides access to world-class shared instrumentation and facilities, enabling faculty to

Assistant or Associate Professor of Advanced Computational Materials
Rice Advanced Materials Institute at Rice University

push the boundaries of fundamental and applied materials science.

About the Wiess School of Natural Sciences

The Wiess School of Natural Sciences at Rice University is a school with a global vision, where the universe serves as our laboratory. Driven by deep curiosity, our faculty and students explore everything from the smallest subatomic particles to the farthest reaches of the cosmos and every scale in between. Across all our disciplines, the mission remains the same: to advance discovery.

About the School of Engineering and Computing

Rice University's George R. Brown School of Engineering and Computing is a top-ranked program that empowers the next generation of leaders with strong technical and communication skills, creative problem solving and the ability to work in multidisciplinary teams. For more information, please look at the School's website.

About Rice University

Rice University is a private, comprehensive research university located in the heart of Houston’s dynamic Museum District and adjacent to the Texas Medical Center. Houston is the fourth largest city in the United States and also one of the most diverse cities in the country with rich cultural activities and robust economic opportunities. Rice has a vibrant research enterprise including world-class research centers, institutes, and interdisciplinary initiatives. It offers undergraduate and graduate degrees across eight schools and has a student body of approximately 4,800 undergraduate and 4,100 graduate students. Rice consistently ranks among the top 20 national universities and the top 10 in undergraduate teaching (US News & World Report); its endowment ranks among the top 20 of U.S. universities. The George R. Brown School of Engineering and Computing and the Weiss School of Natural Sciences, and their departments, at Rice consistently rank among the top programs in the U.S.

Application Instructions

Assistant or Associate Professor of Advanced Computational Materials
Rice Advanced Materials Institute at Rice University

Applications will be reviewed in a rolling fashion but should be received by 11:59 PM (eastern time) on January 4, 2026. Applications received after this deadline will be considered as they arrive and until the position is filled. Candidates are encouraged to apply early.

To apply, please submit the following materials through the Interfolio link: (1) a cover letter that summarizes qualifications for this position, (2) a curriculum vitae, (3) a research statement (up to 3 pages), (4) a statement of teaching philosophy and/or teaching interests (up to 2 pages), and (5) a statement of service and or how you would contribute to the development of a broadly inclusive learning community at Rice through teaching, research, and/or service in your field (up to 2 pages).

In addition, candidates are asked to provide the names and contact information for (at least) three (3) and no more than four (4) references as part of the application, which will automatically be solicited at the time of application.

EEO/AA Policy

Equal Employment Opportunity Statement

Rice University is an Equal Opportunity Employer with a commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status.

Contact Information

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

Contact

Assistant or Associate Professor of Advanced Computational Materials
Rice Advanced Materials Institute at Rice University

Houston, TX