

## Assistant Professor of Advanced Energy Materials Rice University

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Posted Nov. 15, 2024, set to expire Dec. 2, 2024

<b>Job Title</b>	Assistant Professor of Advanced Energy Materials
<b>Department</b>	Rice Advanced Materials Institute <a href="https://rami.rice.edu/">https://rami.rice.edu/</a>
<b>Institution</b>	Rice University Houston, Texas
<b>Date Posted</b>	Nov. 15, 2024
<b>Application Deadline</b>	Dec. 2, 2024
<b>Position Start Date</b>	Jul. 1, 2025
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Energy Technology Material/Metallurgy
<b>Job Website</b>	<a href="https://apply.interfolio.com/157530">https://apply.interfolio.com/157530</a>
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<b>Apply By Email</b>	
<b>Job Description</b>	

**For more information and to apply, please visit:** <https://apply.interfolio.com/157530>

The Rice Advanced Materials Institute (RAMI) at Rice University, located in Houston TX, seeks applications for one tenure-track Assistant Professor position in the area of advanced energy materials with an anticipated start date of July 1, 2025. RAMI, working in conjunction with the Schools of Engineering and Computing and Natural Sciences and the Departments therein, seeks applicants from diverse backgrounds for a tenure-track faculty position in a Department to be determined by the best natural fit and input of the candidate (with the mostly likely Departments being, but not limited to,

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Chemical and Biomolecular Engineering, Chemistry, and/or Materials Science and NanoEngineering). More experienced senior candidates conducting transformative research projects may also be considered.

In particular, we seek outstanding candidates with research interests in experimental materials science (and related fields) relevant to materials innovations to transform energy storage, conversion/harvesting, efficiency, and beyond. Needs in these areas span all of materials including soft/hard matter, inorganic/organic materials, synthesis, processing, characterization, fabrication, and integration. Specific areas of interest include, but are not limited to:

- Novel energy-storage materials/technologies (e.g., electrochemical, capacitive, thermal, etc. storage), mono- and multi-valent battery chemistries, solid-state battery materials, etc.
- Energy-storage materials fundamentals including aspects of mechanisms, lifetime, failure, operando and multi-modal characterization of the same, etc.
- Energy-storage materials at extremes (e.g., ultra-fast or pulsed energy and ultra-long (>10 years) duration storage, storage in extreme environments (low and high temperatures, radiation, etc.), and beyond).
- Energy-storage materials lifecycles, including recycling, resource extraction/alternative materials, electrochemical routes for cost effective extraction of resources, etc.
- Novel materials for energy conversion/harvesting from varied energy sources.

### Contact Information

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

### Contact