CoE - Advance Materials Faculty Positions - All Ranks
University of Miami

Job Title	CoE - Advance Materials Faculty Positions - All Ranks
Department	Chemical, Environmental, and Materials Engineering https://www.coe.miami.edu/directory/current-faculty-openings/index.html
Institution	University of Miami Coral Gables, Florida
Date Posted	Dec. 19, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professor Assistant Professor Associate Professor
Academic Field(s)	Engineering - Other Polymer Science Mechanical Engineering Material/Metallurgy Energy Technology
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Job Description

The primary appointment can be in the Department of Chemical, Environmental and Materials

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Engineering, which houses ongoing work in material synthesis, catalysis and energy storage, or in the Department of Mechanical and Aerospace Engineering, which houses ongoing work in advanced additive manufacturing of polymer composites, multifunctional ceramics, and metallic laser powder bed fusion. Joint appointments with other university departments are also possible.

The University of Miami's College of Engineering has embarked on university-wide strategic initiatives related to the University's Roadmap to the Next Century. The search is open to all areas of Advanced Materials, including both structural and functional materials. Applicants with a specialization in 1) computational modeling and simulation for catalysis and energy applications, and 2) high throughput materials invention and development for extreme environments are of particular interest. Some areas of emphasis include but are not limited to systems/data science, artificial intelligence, machine learning, modern design and optimization, and molecular dynamics for catalysis, energy storage and conversion, smart materials and nanomaterials, multi-functional polymer and ceramics, high-entropy alloys, and bio-/ bio-inspired materials. The college is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

The successful candidates should have a Ph.D. in chemical engineering, materials engineering, mechanical engineering, or a relevant discipline, a track record of outstanding research, and a commitment to excellence in education and student mentoring. The selected candidate will be expected to teach classes at the undergraduate and graduate levels. Preference will be given to mid-career applicants. Senior faculty will be expected to play a leadership role within the department and to promote interdisciplinary research throughout the University in the field of Advanced Materials.

EEO/AA Policy

The University of Miami is an Equal Opportunity Employer - Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law. Click here for additional information.

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact Fateme Rezaei
Chemical, Environmental, and Materials Engineering
University of Miami
Coral Gables, FL

Contact E-mail rezaeif@miami.edu