



Catalysts for Sustainability

Henry M. Rowan College of Engineering: Open-rank, Tenure-track Professor (Assistant/Associate Professor Position in Sustainable Infrastructure Systems and Mobility)

Description:

Rowan University's newly launched Catalysts for Sustainability program seeks to hire ten new faculty to develop, advance, and communicate solutions to humanity's most pressing existential threats posed by the climate and biodiversity crises. The university-wide cohort will lead and collaborate across colleges, disciplines, and communities, catalyzing new initiatives in sustainability research, advocacy, and education while leveraging existing strengths. This project builds upon Rowan University's strategic pillars (access, affordability, quality, and serving as an economic engine) and furthers our commitment to diversity, equity, and inclusion. Successful candidates will demonstrate expertise related to the climate and biodiversity crises in one or more of the following areas: environmental justice; education and public engagement including storytelling; public policy and advocacy; discipline-specific sustainability scholarship; and sustainability practice. Successful candidates will address the heart of the concerns of equity, environmental sustainability, and social justice.

Henry M. Rowan College of Engineering invites applications at the Assistant or Associate Professor position, for scholars pursuing engineering solutions to the climate crisis and/or biodiversity crisis. The appointment will be in one of the College of Engineering's departments, with joint appointments possible within the college or with another Rowan University college.

While the engineering discipline is open, candidates advancing solutions to the climate and/or biodiversity crises in the fields of Civil and Environmental Engineering as well as Electrical and Computer Engineering are of particular interest. The areas of expertise include but are not limited to the following: using smart cyber physical systems to reduce greenhouse gas emissions in transportation, manufacturing, construction, or other significant greenhouse gas emitting sectors; engineering solutions to carbon sequestration; and technological approaches to habitat assessment, monitoring, and wildlife conservation.

The new hire is expected to work with leading University centers, such as Center for Research and Education in Advanced Transportation Engineering Systems (CREATES), Sustainability Facilities Center, Advanced Materials & Manufacturing Institute (AMMI), and the Rowan Institute for Public Policy & Citizenship (RIPPAC). The candidate is expected to spur cross-disciplinary collaboration and also develop new masters and doctoral courses. This position is seeking dedicated agents of change, and a willingness to work with government agencies, NGOs, and industries to address the climate and biodiversity crisis.

Qualifications:

The successful candidate will:

- Have a Ph.D. in Engineering or a related field (by September 1, 2022)
- Have excellent communication and interpersonal skills and demonstrated commitment to public scholarship and engagement.
- Develop a team with student and faculty collaborators and engage in high-impact practices such as student-faculty research and engagement in interdisciplinary initiatives and outreach.

Application Deadline:

Review of applications will begin immediately and continue until the positions are filled for a start date of September 2022, with applications received by January 01, 2022 given priority consideration.

How to Apply:

Interested candidates should submit, as a single pdf through the online application system: (1) a cover letter outlining suitability for the role; (2) a curriculum vitae; (3) a description of their research agenda (including potential funding opportunities); (4) a statement on teaching philosophy (including discussion of the candidate's commitment to diversity, equity, and inclusion, and efforts to grow the audience for environmental education); (5) a statement on effective environmental outreach (including discussion of the candidate's past environmental outreach efforts); and (6) contact information for three (3) professional references.

General Information:

Rowan University is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, creed, color, national origin, age, ancestry, nationality, marital or domestic partnership or civil union status, sex, pregnancy, gender identity or expression, disability status, liability for military service, protected veteran status, affectional or sexual orientation, atypical cellular or blood trait, genetic information (including the refusal to submit to genetic testing), or any other category protected by law. For the complete Rowan University non-discrimination and affirmative action policy see: https://sites.rowan.edu/equity/_docs/policies/eoo-statement.pdf.