



UNIVERSITY OF CENTRAL FLORIDA

Faculty Position Opening in Energy Storage at the University of Central Florida Assistant or Associate Professor, RISES University Research Center

<https://jobs.ucf.edu/en-us/job/500854/assistant-professor-or-associate-professor-rises-university-research-center>

The University of Central Florida (UCF) has established several interdisciplinary clusters to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the area(s) of Energy Storage Systems, Resilience, and Sustainability and plan to hire one tenured/tenure-track assistant professor or associate professor for the university research center on Resilient, Intelligent and Sustainable Energy Systems (RISES). This position has an anticipated start date of August 8, 2022. Prior work experience with energy storage systems is highly preferred.

This is an interdisciplinary position that will be expected to strengthen both the cluster and a chosen tenure home department and may include a combination of joint appointments. A strong advantage of this position is the ability of the candidate to choose multiple units for their appointment in College of Engineering and Computer Science or College of Sciences or both. Both individual/interdisciplinary infrastructure and startup support will be provided with this new position. The position will carry a rank commensurate with the candidate's prior experience and record.

UCF is an R1 research institution serving the Orlando Metropolitan area. The University boasts an expansive research infrastructure with state-of-the-art materials synthesis and characterization facilities. The core hub is located in the Advanced Materials Processing and Analysis Center (AMPAC), with additional user instrument facilities spread across the Department of Chemistry and the NanoScience Technology Center. In recent years, the College of Science and College of Engineering and Computer Science has been very successful in attaining NSF-MRI funding, ensuring availability of modern, specialized instrumentation.

The ideal candidate will work at the intersection of several areas, such as: a) Battery Storage Technologies, b) Renewable Electrolysis, c) Grid Integration, and/or d) Energy Storage Analysis. All relevant technical areas will be considered. The candidate will have demonstrated research impact, as reflected in high-quality publications and the potential to build a sustainable, externally funded research program. Past work experiences in national lab and/or industry are desirable. A history of team-based inter/multi-disciplinary research is considered an asset. We are looking for a team player who can help bring together current campus efforts in energy systems research. A Ph.D., terminal degree, or foreign degree equivalent from an accredited institution in an area appropriate to the RISES center, and minimum 2 years postdoctoral research experience (or equivalent) at the time of appointment are required.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. For further questions about this position, please contact Dr. Kristopher Davis (kristopher.davis@ucf.edu) and Dr. Zhihua Qu (qu@ucf.edu).



Photovoltaic systems on-site at UCF



Microgrid control and testing infrastructure



Industrial flow battery system