

Assistant, Associate or Full Professor, Energy Conversion and Propulsion

Position Information

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Position Number	37435
Class Title	Assistant, Associate or Full Professor, Energy Conversion and Propulsion
Administrative Title	No Administrative Function

Job Description

As part of a hiring campaign, the University of Central Florida (UCF) recently established six interdisciplinary clusters to strengthen its academic offerings and research mission. In support of this effort, we hired two tenure-earning assistant professors this past year and will hire an additional three tenure-earning/tenured assistant, associate or full professors into this newly established cluster: Rational Design of Catalysts for Energy Applications and Propulsion (www.ucf.edu/research/energy). Of these positions, at least one may be considered at the associate or full professor level, commensurate with prior experience and record. These positions will build on our existing strengths in catalysis science and engineering. Applications of interest to the cluster include, but are not limited to, fuel cells, biomimetic catalysis, artificial photosynthesis, thermo-chemical processing of biomass, photocatalytic production of fuels, and combustion catalysts.

Faculty in these interdisciplinary positions will be expected to strengthen both the research cluster and their tenure home department (physics, chemistry, mechanical and aerospace engineering, material science and engineering, or environmental engineering). Both individual and interdisciplinary infrastructure and startup are expected with these three positions. Each new faculty member will have a unique interdisciplinary mentoring team to foster intellectual breadth and to facilitate integrative capacity to strengthen the success of the cluster. With mutual consent, candidates will have the option of choosing their tenure home department.

The University of Central Florida is the nation's second-largest university with more than 63,000 students. UCF has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers more than 200 degree programs at its main campus in Orlando and more than a dozen other locations. UCF is an economic engine attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. For more information, visit <http://www.ucf.edu>.

Position Minimum Qualifications

Candidates must have a Ph.D. from an accredited institution in an appropriate field related to the cluster by the start of the appointment, and have a strong background and track record of experimental research in one or more of the following areas:

- Synthesis of alternative fuels;
- Chemical or bio-catalysis at the nanoscale;
- Chemical or bio-catalysis for large-scale reactor design;
- Catalysis for water and wastewater treatment;
- Photocatalysis;
- Electrochemistry/electrochemical engineering.

In order to obtain tenure, the selected candidate must have a demonstrated record of teaching, research and service commensurate with rank in the tenure department.

Preferences

Special Conditions

Applicants for this position will also be considered for position numbers 36402 and 38624.

Additional Application Materials Required

Candidates must apply online at <http://www.jobswithucf.com/postings/46945> (Position #37435) and attach the following materials: 1) a cover letter; 2) a curriculum vitae; 3) a statement of research plans and goals; 4) a statement of teaching philosophy including any experience/familiarity with student-centered learning approaches; and 5) reprints of 2-3 recent key publications. In the research statement candidates should include descriptions of their successful interdisciplinary research collaborations and how their current and future research can contribute to the cluster's overall interdisciplinary objectives. In the cover letter, candidates should address their background in one or more of the areas listed above, as appropriate.

Note: Please have all documents ready when applying so they can be attached at that time. Once the online submission process is finalized, the system does not allow applicants to submit additional documents at a later date.

The search committee will begin reviewing applications on October 15, 2016 and continue until the positions are filled.

For more information about these positions, please contact Dr. Talat S. Rahman, Cluster Search Chair, at talat.rahman@ucf.edu.

UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

FTE	1.0-Full-Time
Requisition Number	700942
Job Open Date	09/09/2016
Job Close Date	
Open until filled	Yes
Division	Academic Affairs
College/Area	Faculty Cluster Initiative
Department	FCI-Energy-Conversion
Annual Salary	Negotiable
Type of Appointment	Regular
Job Category	Faculty
Work Location	Orlando (Main)
Quick Link	http://www.jobswithucf.com/postings/46945

Supplemental Questions

Required fields are indicated with an asterisk (*).

1. * Please indicate your desired tenure home (s).

(Open Ended Question)

2. * Please indicate the department(s), if any, in which you would like to have a joint appointment.

(Open Ended Question)

Optional & Required Documents

Required Documents

1. Curriculum Vitae/Resume
2. Cover Letter
3. Teaching Statement
4. Research Statement

Optional Documents

1. Other Doc 1
2. Other Doc 2
3. Other Doc 3
4. Other Doc 4
5. Other Doc5
6. Other Doc 6
7. Other Doc 7