Research Professor - Advanced Science Research Center of the CUNY Graduate Center

Hello,

We are currently seeking applications for a Research Facility Manager/Research Professor position at the Advanced Science Research Center of the CUNY Graduate Center, located in New York City (https://asrc.cuny.edu; https://environment.asrc.cuny.edu). I would be happy to answer any questions about this position!

All the best,

Tony

https://home.cunyfirst.cuny.edu/psp/cnyepprd/GUEST/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE JOB_DTL&Action=A&JobOpeningId=17193&SiteId=1&PostingSeq=1

Job Title: Research Facility Manager (Research Assistant Professor) - Environmental Science - Advanced Science Research Center

Job ID: 17193

Location: Graduate Center

Regular/Temporary: Regular

FACULTY VACANCY ANNOUNCEMENT

Research faculty engage in, are responsible for, manage, and/or execute significant areas of research or scholarship. They may serve as principal or co-principal investigators on grants or contracts, manage postdoctoral fellows and their research projects or supervise graduate or undergraduate student research. Research Faculty hold full-time, non-tenure track positions. While they may participate in instructional programs, such as lectures or demonstrations, they are not assigned regular teaching duties.
The City University of New York's newest facility, the Advanced Science Research Center (ASRC), boasts the success of the University's rich past, and the determination to become a national leader in visionary scientific research in the future. With a focus in the fields of Nanotechnology, Photonics, Structural Biology, Neuroscience, and Environmental Sciences, the ASRC operates as a nucleus of a University-wide science enterprise, fostering the development of an integrated research network that brings together faculty, students, and post-doctoral fellows from CUNY's colleges across the five boroughs. This state-of-the-art facility houses a staff of elite scientists and leaders who seek to break down the walls between disparate but increasingly inter-related disciplines of applied science. For more information on the ASRC, please visit asrc.cuny.edu.

ASRC a full-time Research Assistant Professor who will serve as the Facility Manager of the Environmental Sciences Initiative’s Next Generation Environmental Sensor (NGENS) Laboratory. NGENS is part of a suite of observation and laboratory facilities dedicated to the study of complex and emerging environmental problems. It is designed to serve a broad community of earth and atmospheric scientists, ecologists, biogeochemists, public health researchers, engineers, and others.

Reporting to the Director of the NGENS Laboratory, the NGENS Facility Manager will work with environmental scientists at the ASRC and beyond to develop, modify, and test cutting edge environmental sensors, deploy sensor networks utilizing a range of stationary and mobile platforms, and develop a mobile environmental sensing laboratory. The incumbent will also help to catalyze collaborative research with other scientific foci at the ASRC (nanoscience, structural biology, neuroscience, and photonics), and will be encouraged to develop and drive an independent research program related to environmental sensing technologies and their applications to studying human-dominated landscapes.

To meet the objectives described above, the NGENS Laboratory will be a state of the art fabrication facility with cutting-edge sensor development technologies that will include LiDAR sensors, gas sensors, air quality analyzers, spectrometers, environmental control chambers, IR imagers, and bio-inspired nano-sensing systems. It also will be supported by standard development equipment including machining, 3D printers, CNC machines, workshop and electrical engineering equipment.

Duties include but are not limited to:
- Serves as the lead for setup and day-to-day operations of the facility;
- Develops, deploys, and maintains environmental sensor networks along urban-to-rural gradients;
- Collects and analyzes sensor data;
- Provides consulting services to other scientists and engineers seeking to develop, modify, or deploy environmental sensors;
- Develops, designs, and oversees quality control procedures and analytical methods;
- Actively participates in collaborative research within ASRC;
- Actively seeks new collaborative projects within the CUNY system and externally;
- Assists with the preparation of grant proposals, presentations, and publications;
- Contributes to dissemination of results through workshops, seminars, and publications;
- Plays an active role in the development and planning of extensions or updates to the facility;
- Supervises, advises, trains, and organizes internal and external users with varying degrees of experience using the NGENS laboratory space and resources;
- Plans and manages booking of and access to the facility; manages facility's finances; organizes and schedules regular users;
- Performs other related duties as assigned.

QUALIFICATIONS

Ph.D. in area(s) of expertise or equivalent. Also required are success in carrying out research and ability to advise and/or oversee the direct work of others.

A preferred candidate should have:

- Extensive experience in designing and fabricating prototype and operational sensing systems, including calibrating and deploying field and laboratory-based environmental sensors.
- Strong quantitative and computer programming skills.
- Demonstrated capacity to work with “big data”.
- Strong publication record and/or experience writing technical reports.
- Highly motivated with an ability to work both independently and in teams.
- Proficient use of machining, workshop, and soldering equipment.
- Demonstrated ability to prioritize and work to meet tight deadlines.
- Strong attention to detail.
- Excellent verbal and written communication skills.
- Strong desire to work in a highly collaborative environment with people of diverse backgrounds.

COMPENSATION
CUNY offers faculty a competitive compensation and benefits package covering health insurance, pension and retirement benefits, paid parental leave, and savings programs. We also provide mentoring and support for research, scholarship, and publication as part of our commitment to ongoing faculty professional development.

HOW TO APPLY

Click on "Apply Now" below which will bring you to the registration screen. If you are a new user, you must register to apply. If you already have a user ID, please use your existing ID to apply. Make sure to upload a cover letter, resume, and contact information for three (3) professional references (name, title, and organization). Please upload all documents in Word or PDF format.

CLOSING DATE

Open until filled with review of applications to begin on September 18, 2017

JOB SEARCH CATEGORY

CUNY Job Posting: Faculty

EQUAL EMPLOYMENT OPPORTUNITY

CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.

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