

**Assistant Professor**  
**Physics Courses / Open Research**  
**The State University of New York College of Environmental Science and Forestry**  
**SUNY-ESF**

**The State University of New York, College of Environmental Science and Forestry (SUNY-ESF)** invites applications for two tenure-track faculty positions at the Assistant Professor level to start in Fall 2018. The successful candidates will be required to teach introductory Physics courses, conduct research in their areas of specialty, assist in the development of a new “Physics Program” at ESF, and participate in service activities. The research area is open; illustrative examples include soft matter, computer simulation, computational fluid mechanics, atmospheric or oceanic physics, energy system modeling, renewable materials science, remote sensing, geotechnical engineering, or geoen지니어ing. Opportunities exist for collaboration with faculty at the Department of Physics and the Biomaterials Institute at neighboring Syracuse University. We seek candidates with excellence in both teaching and research and commitment to professional and University service.

**Responsibilities:** Organizing and teaching introductory physics courses (lecture and laboratory), supervising M.S. and Ph. D students, maintaining a vigorous independent research program with strong potential for external funding, and participating in service activities that support SUNY-ESF’s mission and relevant professional groups.

**Required Qualifications:** A Ph.D. in Physics, Chemistry, or Engineering is required by time of appointment.

**Preferred Qualifications:** Postdoctoral or equivalent research experience.

**Application Procedure:** Application is online only. Visit our website <http://www.esf.edu/hr/>, click on Current Vacancies to find Assistant Professor Physics Courses / Open Research. Applications should include: (1) a cover letter summarizing qualifications and interest in the position, (2) a curriculum vitae, (3) a statement of research interests and experience, (4) a statement of teaching philosophy and experience, and (5) names and contact information for three references. Complete application packages must be submitted as a single document in PDF format.

**Application Deadline:**

Applications will be accepted until the position is filled, but for optimal consideration candidates should submit their application by March 1, 2018. Expected start date is Fall 2018.

**The College:** With a total enrollment of about 1,700 undergraduates and 600 graduate students, SUNY-ESF provides an intimate small-college atmosphere with a low student/faculty ratio that allows for personal attention and assistance for students. SUNY-ESF has over 400 scientists and staff dedicated to solving environmental problems through research, teaching, and service. Integration of research and teaching is emphasized and the college has a strong undergraduate research program where advanced undergraduate students regularly work with graduate students and faculty. In addition, the SUNY-ESF campus is contiguous with that of Syracuse University and in close proximity to SUNY Upstate Medical University, giving students and faculty the added resources of larger institutions of higher education, including a wide array of courses, computer and library facilities, sports, and health services. Cornell University, with its additional facilities, is located within a 60 minute drive of the SUNY-ESF campus.

Research facilities on-campus at SUNY-ESF include: (1) The Edwin C. Jahn Laboratory for Chemical Research, a well-equipped polymer, environmental, natural products and biochemical research facility, including thermal analysis equipment, such as a DSC / HiRes TGA and a TGA / IR-NIR / GC/MS. (2) Analytical and Technical Services (ATS), (<http://www.esf.edu/ats/>) operates and maintains a wide variety of instrumentation including a 300 MHz NMR equipped with Solids State capabilities, 600 and 800 MHz NMR equipped with cryo probes, GC-MS, LCMS, MALDI-TOF/TOF and ICP-OES, ICP-MS with Laser Ablation capabilities; and (3) The Center for Ultrastructural Studies within ATS that is equipped with light, and new (Jan 2017) scanning and transmission electron microscopes. (3) Additional resources at neighboring institutions include SUNYMAC (<http://www.upstate.edu/sunymac/>), and the Proteomics & Mass Spectrometry core facilities (<http://www.upstate.edu/proteomics/index.php>) at SUNY Upstate Medical University with cores that specialize in high-throughput sequencing, proteomics and genotyping analysis.(4) Dedicated research and instruction laboratories for geospatial engineering, and water resources engineering research, inclusive of computational servers. (5) Electronic classrooms equipped with computers and visual aids and design classrooms with flexible space and drafting capabilities. and (6) Wood, paper and other renewable materials process and fabrication facilities, drying and moisture control, and engineering test machines in Walters and Baker Hall laboratories.

SUNY-ESF also has more than 25,000 acres of field and forest properties at seven experimental field stations, offering abundant opportunity for field-oriented research in aquatic and terrestrial environments.

The Syracuse Center for Excellence in Environmental and Energy Systems (<http://www.syracusecoe.org/>) is located nearby, facilitating collaborative research with a number of local industries and universities in the areas of Green Infrastructure and Renewable Resources. The Biotechnology Accelerator Facility (<http://www.upstate.edu/accelerator/>) offers opportunities for migrating technologies started in the lab into commercial ventures.

**Location:** The SUNY College of Environmental Science and Forestry is located in Syracuse, New York, a dynamic and diverse community with plentiful natural, cultural, and civic opportunities. “The Places Rated Almanac” ranks Syracuse among the top 10 percent of "Best Places to Live." Located on the eastern edge of the Finger Lakes, Syracuse is within a five-hour drive of New York City, Toronto, and the High Peaks Region of the Adirondack Mountains. SUNY-ESF is one of eight colleges and universities located in Onondaga County. The Syracuse University campus is immediately adjacent to SUNY-ESF, and SUNY Upstate Medical University is located within easy walking distance.

The SUNY-ESF campus provides a rich array of curricular and co-curricular experiences with our main Syracuse campus just southeast of downtown Syracuse and our regional campuses stretching from southern Onondaga County to the Adirondacks. The Syracuse area, home to our main campus, is home to many cultural events, museums, state and local parks and numerous festivals throughout the year along with a growing downtown in the city of Syracuse. Onondaga County provides a variety of neighborhoods that include urban, rural and suburban with strong schools, affordable housing and supportive communities.

Central New York is also home to numerous hospitals and medical facilities including SUNY Upstate Medical University, the St. Joseph’s Hospital Health Center, the VA Hospital of Syracuse and Crouse Hospital, each of which provide unique specialty areas that support the needs of the community.

Whatever one's interests are, one is sure to find a great community not just at SUNY-ESF but in the surrounding areas as well.

For More Information: Contact Dr. Huiting Mao, Physics Search Committee Chair, SUNY-ESF; e-mail: [hmao@esf.edu](mailto:hmao@esf.edu); Telephone: 315-470-6823.

In accordance with the "Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act" institutions of higher education are required to prepare an annual report containing information on campus security policies and campus statistics. This report includes statistics for the previous three years concerning reported crimes that occurred on-campus; in certain off-campus buildings or property owned or controlled by SUNY-ESF; and on property within, or immediately adjacent to and accessible from the campus. The report also includes institutional policies concerning campus security, such as policies concerning sexual assault, and other matters. You can obtain a printed copy of this report by contacting SUNY-ESF University Police at 315-470-6667 or by accessing the following web site:

<http://www.esf.edu/univpolice/crimereports/>

**SUNY-ESF is an equal opportunity/affirmative action employer. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected veteran status, age, or any other characteristic protected by law.**