Mississippi State University

Tenure-track position, optoelectronic materials chemistry and/or physics

The Department of Chemistry and the Department of Physics at Mississippi State University invites applications for a tenure-track position at the rank of assistant or associate professor with appointment in one or joint sponsoring departments to start in the fall of 2020. Candidates with research interests in the areas of optoelectronic materials synthesis, structure property/performance, computational modeling, and/or device integration for target applications including but not limited to; energy conversion, nanotechnology, biomedical, and information technologies are encouraged to apply. Applicants must have a Ph.D. in Chemistry, Physics, or related field, a demonstrated record of research accomplishments, and a strong commitment to teaching at both the undergraduate and graduate levels.

The successful candidate will exhibit the capability and strong desire to work with inter-disciplinary, multi-institutional teams within Mississippi's Center for Emergent Molecular Optoelectronics (CEMOs: https://www.msstate.edu/newsroom/article/2018/09/state-mississippi-awarded-20-million-establish-center-emergent-molecular).

Available departmental and institutional resources include an NMR facility, an X-ray crystallography facility, a high-resolution mass spectrometry lab, the Institute for Imaging and Analytical Technologies, and the High Performance Computing Collaboratory. Application review will begin October 16, 2019 and will continue until the position is filled.

Applicants must apply online at www.msujobs.msstate.edu and include a cover letter, curriculum vitae, summary of research plans, and a statement of teaching interests. In addition, inquiries and three letters of recommendation should be sent to search@chemistry.msstate.edu.

MSU is an equal opportunity institution. Discrimination based on race, color, ethnicity, sex, pregnancy, religion, national origin, disability, age, sexual orientation, genetic information, status as a US veteran, or any other status protected by law is prohibited. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

The University of Southern Mississippi

The University of Southern Mississippi is currently accepting applications **for two positions at the Assistant Professor level** in the School of Polymer Science and Engineering to begin Fall 2020:

1. Polymer Optoelectronics
https://usm.csod.com/ats/careersite/JobDetails.aspx?id=386&site=1

2. Polymer Physics/Physical Chemistry/Engineering
https://usm.csod.com/ats/careersite/JobDetails.aspx?id=1107&site=1

The successful candidates will build an internationally recognized, externally funded research program in their area of expertise, direct undergraduate and graduate student research, and contribute to the functioning of the school, college, university and scientific community through professional service. They must also be capable of teaching polymer science and engineering courses at the undergraduate and graduate levels. They will be expected to engage in collaborative research proposals and projects involving advanced polymeric materials across school and disciplinary boundaries with private, state and federal funding entities.

Applicants must hold an earned Ph.D. in polymer science and engineering, physical chemistry, chemical physics or a closely related discipline, and possess a demonstrated record of intellectual and academic accomplishments that will qualify her or him for appointment at the appropriate level. Other required qualifications include strong leadership and interpersonal skills, excellent written and oral communication skills, an ability to work in a collaborative environment, and a commitment to promoting and embracing diversity. Candidates with postdoctoral research experience, a strong publication record and demonstrated success in proposal writing are preferred.

1. Polymer Optoelectronics (preferred qualifications)

Candidates with demonstrated expertise in optoelectronic materials, interface characterization, and/or correlated electronic materials are preferred. Areas such as high-throughput computation and machine learning are also welcome.

2. Polymer Physics/Physical Chemistry/Engineering (preferred qualifications)

Candidates with the ability to connect and integrate experimental and computational polymer science and engineering and interest in engaging in transdisciplinary research will be given preference but candidates all areas of polymer science and engineering are welcome.

Application instructions

Applications must be submitted online at https://jobs.usm.edu. Applicants should submit *a single pdf* document containing a cover letter, curriculum vitae, statement of research plans and a brief statement of teaching philosophy. Applicants should arrange for the submission of three reference letters. For

inquiries about the position or to nominate a candidate, contact the search committee chair Dr. Yoan Simon (yoan.simon@usm.edu). Review of applications will begin Oct 15th and will continue until the position is filled.

University/Departmental Information:

The School of Polymer Science and Engineering (SPSE) (www.usm.edu/polymer-science-engineering) comprises faculty members with research programs in optoelectronic materials, composites and nanocomposites, biomaterials and bioinspired polymers, materials for energy and the environment, and coatings and thin films with average annual external funding of ~$15M over the past three years. SPSE offers state-of-the-art facilities for soft-matter research including newly acquired thin-film device fabrication and characterization equipment, SAXS/WAXS laboratory beamline, XPS spectrometer with integrated UPS and Ar GCIS capabilities, magnetic characterization, AC/DC SQUID magnetometer, ESR, cryogenic probe station, high temperature SEC, supercomputing capabilities, and comprehensive instrumentation for polymer characterization. SPSE is home to ~75 Ph.D. students and ~120 undergraduate students; it offers polymer science and engineering degrees at the B.S., M.S. and Ph.D. levels.

Founded in 1910, The University of Southern Mississippi (USM) is a comprehensive doctoral and research-extensive university fulfilling its mission of being a leading university in engaging and empowering individuals to transform lives and communities. USM, which enrolls approximately 16,000 students each year, is the only dual-campus university in Mississippi with campuses in Hattiesburg and Long Beach. Five additional teaching and research sites are located on the Mississippi Gulf Coast. Learn more at www.usm.edu.

As an Affirmative Action/Equal Employment Opportunity employer/Americans with Disabilities Act institution, USM encourages minorities, women, veterans, and persons with disabilities to apply. All offers of employment with The University of Southern Mississippi are contingent on a background check.