



# THE OHIO STATE UNIVERSITY

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## Faculty Position

### Solid State Materials for Energy Storage and Conversion Department of Materials Science and Engineering The Ohio State University

**Description:** The Department of Materials Science and Engineering at The Ohio State University invites applications for a tenure-track position in the area of solid state materials for energy conversion and storage. The appointment will be at the assistant professor level. The position is partially funded by the Ohio State Discovery Themes, a significant faculty hiring investment in key thematic areas in which the university can build on its culture of academic collaboration to make a global impact.

**Solid State Materials for Energy Conversion and Storage:** The position in solid state materials for next-generation energy conversion and storage focuses on advanced materials synthesis and functional properties characterization (electrical/optical/thermal/magnetic). Research fields of interests include (but are not limited to) photocatalytic materials and (nano)structures, solid state batteries, supercapacitors, photovoltaics, solid state lighting and lasers, thermoelectrics, (nano)photonics, chemical sensors, functional ceramics/oxides, and solid oxide fuel cells. Faculty researchers in these areas benefit from a wide range of excellent centralized facilities and institutions that enable and promote materials research on the Ohio State campus, forming a vibrant interdisciplinary community.

**Qualifications:** We seek individuals who are ardent discoverers and passionate teachers and mentors, with demonstrated records of leadership and collaboration in an academic and/or R&D environment. Candidates must have an established record of accomplishment and a doctoral degree in materials science and engineering or a related field. The successful candidate will be expected to develop and sustain active sponsored research programs, teach core undergraduate and/or graduate courses, and develop new graduate courses related to their research expertise. The candidate should have experience developing or working in interdisciplinary research teams and be committed to supporting the departmental mission of diversity and inclusion. In addition to demonstrating academic and scholarly excellence in their own field, the candidate is expected to contribute to the growth of the energy research hub, by participating in research teams and by building strong collaborations with faculty across the college of engineering and the departments of Chemistry and Physics. The anticipated start date is August 2017. Screening of applicants will begin immediately and will continue until the position is filled.

**About Ohio State:** The Ohio State University is committed to building and maintaining a diverse community to reflect human diversity and improve opportunities for all. The university is committed to equal opportunity and eliminating discrimination. This commitment is both a moral imperative consistent with an intellectual community that celebrates individual differences and diversity, as well as a matter of law. Ohio State does



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not discriminate on the basis of age, ancestry, color, disability, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, sexual orientation, or veteran status in its programs, activities, employment, and admission. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are a NSF Advance Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium.

**About Columbus:** The Ohio State University campus is located in Columbus, the capital city of Ohio. Columbus is the center of a rapidly growing and diverse metropolitan area with a population of over 1.5 million. Home to Limited Brands, Inc., Nationwide Insurance and other well-known companies, our economy is balanced by a combination of education, technology, government, research, insurance and health care as major employers in the region. Columbus has consistently been rated as one of the Top U.S. cities for quality of life and was selected as one of the Top 10 cities for African Americans to live, work, and play by Black Enterprise magazine and one of America's best places to raise kids by Business Week. Additional information on the Columbus area is available at <http://www.columbus.org>.

**How to Apply:** Interested candidates should submit a cover letter, complete curriculum vitae, separate 2-3 page statements of research and teaching goals, and the names, postal addresses, and e-mail addresses of four references. Applications should be submitted online at: <https://academicjobsonline.org/ajo/jobs/8223>. Inquiries may be directed to <mailto:eng-mse-facultysearch1@osu.edu?subject=Energy>