



# THE OHIO STATE UNIVERSITY

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## Faculty Position

### Lincoln Electric Professorship in Welding Engineering 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 from outstanding candidates for a tenure-track position in the area of advanced materials joining. The appointment will be at the assistant or associate professor level. Outstanding candidates will be considered for appointment to the newly endowed Lincoln Electric Professorship.

**Joining of Advanced Materials:** In 2010, the Welding Engineering Program at Ohio State merged with the Department of Materials Science and Engineering, forming one of the largest materials science and engineering departments in the US. The Welding Engineering Program offers degrees at the BS, MS, and PhD levels and is the only ABET accredited welding engineering program in North America. OSU has strong and sustained activities in advanced materials and manufacturing, which includes initiatives, strategic partnerships, and centers such as MA2JIC, CDME, LIFT, OMI, IMR, and CEMAS ([mse.osu.edu](http://mse.osu.edu)). Central to the Welding Engineering Program is the Manufacturing & Materials Joining Innovation Center (MA2JIC), one of the largest NSF Industry/University (I/UCRC) cooperative research centers, with over 40 industrial members. The candidate for this position will be expected to develop collaborative research in connection with this and other centers /organizations.

**Qualifications:** A doctoral degree in Welding Engineering, Materials Science and Engineering, Mechanical Engineering, or related fields is required. Postdoctoral research experience in materials (metals, polymers, ceramics, composites, and biomaterials) joining is preferred and a strong publication record of peer-reviewed journal papers is expected. Candidates should have experience or interest in creating and working within interdisciplinary research teams and be committed to supporting the departmental mission of diversity and inclusion. They should also be proficient and have demonstrated skills in one (or more) of the following areas:

- Welding/joining processes (including microjoining, hybrid joining methods, adhesive bonding, brazing/soldering);
- Additive manufacturing;
- Computational materials joining;
- Structural design, fitness-for service, nondestructive evaluation;
- Welding metallurgy.

**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



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celebrates individual differences and diversity, as well as a matter of law. Ohio State does 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/8254>. Inquiries may be directed to [eng-mse-facultysearch1@osu.edu](mailto:eng-mse-facultysearch1@osu.edu)?subject=Lincoln Electric Joining