Tenure-Track Assistant Professor Faculty Position
Energy-Related Areas in Chemical and Biomolecular Engineering

The William G. Lowrie Department of CHEMICAL & BIOMOLECULAR ENGINEERING at The Ohio State University in Columbus, Ohio invites applications for a faculty position at the ASSISTANT PROFESSOR rank to join a collegial group of 31 faculty.

Position Overview: The position is targeted towards applicants from energy-related fields including advanced materials, separations, reaction engineering, and catalytic or non-catalytic processes that are associated with but not limited to photo-, electro-, and/or thermo-chemical systems, as well as sustainability, green chemistry, process control, modelling, machine learning, data analytics, and artificial intelligence.

Required Qualifications:
- Ph.D. in Chemical Engineering or equivalent discipline.
- Potential for developing a national and/or international reputation in their specialized area of research, as well as excellence in teaching of undergraduate and graduate students.

Desired Qualifications:
- Potential for promoting diversity and inclusion in all areas of scholarship, instruction, and outreach.

How to Apply:
You will be presented with the opportunity to attach up to FIVE documents in the Application Documents section. Please include the following:
- Attachment 1: Cover Letter: 1-2 page letter, which should include a brief summary of your academic background and why you are interested in this opportunity.
- Attachment 2: CV (Curriculum Vitae)/Resume: Detailed overview of your scholarly experience, including your research experience, teaching and mentoring experience, service, funding, and publications.
- Attachment 3: Teaching and Mentoring Statement: A statement of your approaches, experience and philosophy regarding your teaching, learning, and mentoring.
- Attachment 4: Research Statement: Summary of your past research accomplishments, current work/research, and proposal for your future research plan as a faculty member.
- Attachment 5: Values Statement: Description of efforts that reflect Ohio State’s Shared Values. Instructions for preparing these statements can be found at this link.
- A list of 3 references upon later request.

For questions regarding this position, please contact Search Committee Chair Prof. Andre Palmer by phone at 614-292-6033 or via email at palmer.351@osu.edu.

Application review:
Review of applications will begin on 9/1/2023 and continue until the position is filled.

Department Overview: The William G. Lowrie Department of Chemical and Biomolecular Engineering is home to 31 faculty with research emphases in bioengineering, reaction engineering and catalysis, separations, systems engineering, multiphase flows, colloids, molecular thermodynamics, polymers, nanomaterials, sustainability and the environment. We are housed in a state-of-the-art 225,000 ft² building dedicated to Chemical Engineering and the Chemical Sciences.
To enable faculty success in energy-related research, Ohio State University is home to several world-class multi-disciplinary centers/institutes, such as the: 1) Sustainability Institute; 2) Center for Emergent Materials; 3) Institute for Materials Research; 4) Translational Data Analytics Institute; 5) Campus Chemical Instrument Center; 6) Center for Design and Manufacturing Excellence; 7) Center for Electron Microscopy and Analysis; 8) Nuclear Reactor Lab; 9) Simulation Innovation and Modeling Center; 10) Ohio Supercomputer Center; 11) Global Water Institute; 12) Byrd Polar and Climate Research Center.

University Overview: The Ohio State University sets the stage for academic achievement and innovation. It's where friendships are forged, tradition is brought to life and a better global community is built. Our mission is as clear today as it was 150 years ago: to illuminate a pathway to education, research and health care that creates vibrant futures. Faculty and staff build the incomparable Buckeye spirit through collaboration, a strong sense of community and an unwavering commitment to excellence. Ohio State is a university that seeks and welcomes diverse ideas, perspectives, and views. Academic freedom is a core value of our institution and Ohio State is committed to creating learning opportunities in which all members of the university community can engage in frank, meaningful discussions with others of differing views. More info can be found at (https://odi.osu.edu/education-citizenship-initiative).

Ohio State is a dynamic community where opportunity thrives, and individuals transform themselves and their world. Ohio State is a top-20 public university, enrolling over 60,000 students, and its Ohio State Wexner Medical Center is one of America’s leading academic health centers and recently ranked No. 4 on Forbes’ list of best U.S. employers for diversity. More info about The Ohio State University can be found at (https://www.osu.edu/).

College Overview: When Ohio State was founded in 1870, the Department of Mathematics and Engineering was one of seven original departments. Today, the College of Engineering offers 14 undergraduate and 13 graduate programs in 12 departments or centers, as well as, three undergraduate and four graduate degrees in the Knowlton School of Architecture, to over 10,000 students. The college has recently expanded its degree offerings with a BS in Engineering Technology available on the regional campuses of the university. The college is one of the largest, most reputable, and impactful institutions in the field with over 400 engineering and architecture faculty members. The college has 14 National Academy of Engineering members and numerous members of societies and award recipients. In fiscal year 2022, the college had over $162 million in externally sponsored research expenditures. Industry R&D expenditures for the College of Engineering in fiscal year 2022 totaled over $50 million.

Columbus Overview: As the nation’s 14th largest city, Columbus invites and embraces cultural and economic diversity. We are home to Fortune 500 companies, world-class research institutes, top-ranked hospitals, and the state’s capitol. The city was named the 2015 "Intelligent Community of the Year" by the Intelligent Community Forum, called a "Midwestern style capital" by the New York Times and one of the top ten "Best Places to Live" by Money Magazine. Columbus is home to multiple dynamic arts districts. Read more at (Experience Columbus).

Diversity, Equity, and Inclusion: The College of Engineering strives to be a national leader in diversity, equity, and inclusion. The college engages in and leads significant efforts to increase diversity among the field's future leaders through the Office of Diversity, Outreach, and Inclusion (DOI). The DOI office offers a variety of student-centric programming designed to increase self-efficacy and foster community among historically excluded and underrepresented students and provide resources to support our faculty and staff. All faculty are expected to participate in, support, and/or lead these efforts and to contribute to the department's inclusive climate via their work in one of many ways, including but not limited to; teaching, service, mentoring and advising. For more information about DOI, visit https://engineering.osu.edu/diversity.
Faculty Development: The Ohio State University and the College of Engineering are committed to support and develop faculty as well as the work-life balance of its faculty. These resources include The Engineering Faculty Mentoring Program, the Better Research through Better Mentoring program, and institutional memberships to the National Center for Faculty Development & Diversity, and the Center for the Integration of Research, Teaching and Learning. To learn more visit: https://engineering.osu.edu/faculty-development

Dual Careers and Faculty Relocation: The Ohio State University is committed to enhancing academic excellence. Recruiting, supporting, and retaining faculty of the highest caliber is a core component of this commitment. In support of this commitment, the Office of Academic Affairs (OAA) has created the Office of Dual Careers and Faculty Relocation (DCFR) to focus on supporting new and prospective faculty and their partners. This support includes dual careers services, consultation and resources related to relocation, as well as identifying opportunities to engage on campus and the surrounding community. While employment opportunities are not guaranteed, resources and consultation are available to support the partners of new and prospective faculty as they are considering The Ohio State University as a potential future employer and throughout their transition to the university and community.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. 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 an NSF Advance Institution, a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC) and have an excellent partner in The Ohio State University Wexner Medical Center.