



Endowed Morrow Chair in Chemical Engineering

William G. Lowrie Department of Chemical and Biomolecular Engineering

College of Engineering

The William G. Lowrie Department of Chemical and Biomolecular Engineering (<https://cbe.osu.edu/>) at The Ohio State University invites applications for the endowed Morrow Chair, a Tenure-Track Full Professor appointment in the area of sustainability, green chemistry, process control, systems engineering, modelling, machine learning, data analytics, or artificial intelligence, materials and/or energy, including areas such as separations, reaction engineering, advanced granular materials (non-polymeric), and catalytic or non-catalytic processes in photo-, electro-, and/or thermo-chemical systems. The research area should complement the current research portfolio of the department (<https://cbe.osu.edu/directory/faculty>). This position will start as early as Autumn 2025.

Position Overview

This is a tenure-track endowed chair position at the level of full professor.

Performance Objectives

The candidate will be expected to help further our mission of educating undergraduate and graduate students in CBE, fostering cross-fertilization with other disciplines, advancing the state-of-the-art knowledge in CBE and allied fields through novel and sustained research, serving the public, academic, and industrial communities through consultation, collaborative efforts, dissemination of research results, entrepreneurship, or participation in conferences of professional societies, and valuing different perspectives.

Education and Experience Requirements

Required:

- Doctorate (academic) or equivalent in Chemical Engineering or a related field
- Demonstrated accomplishments and recognition or reputation in one or more of the areas indicated, including areas such as separations, reaction engineering, advanced granular materials (non-polymeric), and catalytic or non-catalytic processes in photo-, electro-, and/or thermo-chemical systems, as well as sustainability, green chemistry, process control, systems engineering, modelling, machine learning, data analytics, or artificial intelligence;
- Author of publications of substantial interest and value in the field of chemical engineering including presentation of papers to professional societies and contributions to new designs or techniques of material significance in the solution of important problems;
- Experience in writing research proposals;
- Success in securing independent external funding;
- Demonstrated efforts in research, teaching, and/or outreach and engagement that reflect Ohio State's [Shared Values](#)

Desired:

- Demonstrated leadership;
- Providing quality mentoring and supervision at the graduate level;
- Experience in teaching graduate and/or undergraduate level courses (for current academics);
- Demonstrated efforts in research and/or outreach and engagement that reflect Ohio State's Shared Values.



How to Apply

<https://osujoblinks.com/vs78>

You will be presented with the opportunity to attach documents in the Application Documents section. Please provide the required documents listed below. ***Please be aware that you will not be able to save your application and go back to it. Once you start the application you will need to fill it out to completion and upload each of the items listed below.***

- **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:** Research Statement: Summary of your past research accomplishments, current work/research, and proposal for your future research plan as a faculty member.
- **Attachment 4:** Teaching and Mentoring Statement: A statement of your experience, approach, and philosophy regarding your teaching and mentoring.

See additional [application material instructions](#)

A list of three references upon request

For questions regarding this position, please contact Professors L.-S. Fan and Nicholas Brunelli at fan.1@osu.edu and brunelli.2@osu.edu.

Application review:

Review of applications will begin by October 1 2024.

Department Information

The William G. Lowrie Department of Chemical and Biomolecular Engineering (CBE) is home to 30 faculty working in diverse research areas including bioengineering, reaction engineering and catalysis, separations, systems engineering, particulates and multiphase flows, colloids, molecular simulation, polymers, nanomaterials, and sustainability. We are housed in a state-of-the-art 225,000 ft² building dedicated to Chemical Engineering and the Chemical Sciences. CBE offers undergraduate (B.S.) and graduate (M.S. and Ph.D.) programs, with total enrollment around 900 students. CBE faculty are highly regarded for their teaching, research and extension and outreach programs.

The College of Engineering

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 Community, Access, Retention, and Empowerment Office (CARE). The CARE office offers a variety of student-centric programming designed to increase self-efficacy and foster community 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 CARE, visit <https://engineering.osu.edu/CARE>.

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>.

Learn more about the College of Engineering, the university and Columbus [here](#).



The University

Each day, Buckeyes across the state and around the world make a lasting impact.

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, staff, and students build the incomparable Buckeye spirit through collaboration, a strong sense of community and an unwavering commitment to excellence. Our strength comes from our ability to bring out the best in people and learn from Buckeyes of all backgrounds, passions, and talents.

Ohio State is a top-20 public university, 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. Eligible Ohio State employees receive comprehensive benefits packages, including medical, dental and vision insurance, tuition assistance for employees and their dependents, and state or alternative retirement options with competitive employer contributions.

The Ohio State University's [Shared Values](#) include Excellence and Impact, Diversity and Innovation, Inclusion and Equity, Care and Compassion, and Integrity and Respect. Our university community welcomes differences, encourages open-minded exploration and courageous thinking, and upholds freedom of expression.

Ohio State is a dynamic community where opportunity thrives, and individuals transform themselves and their world. Positions are available in countless fields and specialties. Become a Buckeye and contribute to an incredible legacy that serves to guide our future and shape a better tomorrow.

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. The Office of Academic Affairs (OAA) has established [Dual Careers and Faculty Relocation \(DCFR\)](#) to focus on supporting new and prospective faculty and their loved ones. Service offerings include dual careers partner consultations, identifying potential employers and/or employment opportunities, consultation and resources related to relocation, as well as identifying opportunities to engage on campus and in the surrounding community. While employment opportunities are not guaranteed, resources and consultation are provided to support the partners of new and prospective faculty as they are considering or transitioning to The Ohio State University.

In addition to being responsive to dual-career opportunities, we strongly promote work-life balance to support our community members through a suite of institutionalized policies. Ohio State is an [NSF ADVANCE](#) institution and a member of the [Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium \(HERC\)](#).

Located in Ohio's capital city, Ohio State's Columbus campus is near the center of a rapidly growing and diverse metropolitan area with a population of over 1.5 million. The area offers a wide range of affordable housing, many cultural and recreational opportunities, excellent schools, and a strong economy based on government as well as service, transportation, and technology industries. Additional information about the Columbus area is available [here](#). In addition to its Columbus campus, Ohio State has four [regional campuses](#) including Ohio State Lima, Ohio State Mansfield, Ohio State Marion, and Ohio State Newark, in addition to Ohio State ATI in Wooster.

Equal Opportunity Employer/Veterans/Disability.

Final candidates are subject to successful completion of a background check. A drug screen or physical may be required during the post offer process.



THE OHIO STATE UNIVERSITY

OFFICE OF ACADEMIC AFFAIRS