

NEWS OF THE WEEK

NOVEMBER 6, 2023

CBE IN THE NEWS

- Congratulations to the ChemE Car team for receiving the Sportsmanship Award at this year's annual AIChE Conference in Orlando, Florida

DEPARTMENT'S SEMINAR/EVENTS

- **CBE Seminar Series**
 - **Qi Zhang, University of Minnesota**
Friday, December 1, 2023 at 10:00 AM in 102 CLB
or via Zoom: <https://udel.zoom.us/j/91386404306>
"Toward the Efficient Operation of an Electrified Chemical Industry"
- **CPI Seminar**
CPI SustalNability Seminar Series
Dr. Julie Rorrer, University of Washington, Seattle
Friday, November 10, 2023 at 11:00 AM in 366 CLB
"Overcoming Barriers in Waste Plastic Conversion Using Heterogeneous Catalysts"
- **CCST Seminar**
Gang Wu, University of Buffalo, SUNY
Wednesday, November 15, 2023 at 2:00 PM in 366 CLB
"Advanced Catalysts for Hydrogen Fuel Cell Technologies"
- **MRSEC Event**
Professional Development Workshop
Wednesday, November 15, 2023 at 4:00 PM in 366 CLB
"Be the Full Package"
- **Center for Clean Hydrogen (CCH) Seminar**
Dr. Thomas I. Valdez, Principal Engineer, Plug Power Inc.
Thursday, November 16, 2023 at 10:00 AM in 366 CLB
and via Zoom: <https://udel.zoom.us/j/99379210652>
Passcode: 772564
"Analysis of Pem Membrane Electrode Assemblies Impact on the Levelized Cost of Hydrogen"

OTHER DEPARTMENT'S SEMINAR/EVENTS

- **Inorganic Chemistry Seminar**
 - Dr. Anthony Shoji Hall, Johns Hopkins University
Friday, November 10, 2023 at 4:00 PM in 219 BRL
"Atomic-scale Insights into Electrocatalyst Structure and Function"

JOBS/RECRUITING

- University of Houston
 - **Position:** [Assistant or Associate Professor – Biomolecular Engineering – \(FAC003161\)](#)
Brief description: The William A. Brookshire Department of Chemical & Biomolecular Engineering at the University of Houston (UH) seeks to hire one tenure-track or tenured faculty member at the rank of Assistant or Associate Professor with research interests in the broad area of Biomolecular Engineering. Competitive candidates are expected to have a Ph.D. in Chemical Engineering (or closely related discipline) before starting the position and show potential for exceptional research and excellence in teaching and service. The successful candidate will be appointed at a rank commensurate with accomplishments and expertise.
 - **Position:** [Assistant or Associate Professor – Sustainable Energy and Chemicals – \(FAC003208\)](#)
Brief description: The William A Brookshire Department of Chemical Engineering in the Cullen College of Engineering at the University of Houston (UH) seeks to hire a tenure-track or tenured faculty members at the rank of Assistant or Associate Professor under the Presidential Frontier Faculty Program with research interests in the area of Sustainable Energy and Chemicals with research interests in the area of Polymer Circularity.
- **University of Maryland, Baltimore County**
Position: [Tenure-Track, Assistant Professor Faculty Position](#)
Brief description: The Department of Chemical, Biochemical, and Environmental Engineering (CBEE) at the University of Maryland Baltimore County (UMBC) seeks to fill a tenure-track position in the broad fields of biomedical or biomolecular engineering, including areas involving synthetic biology, systems biology, bioinformatics, biomanufacturing, metabolic engineering, and biological materials. We are especially interested in applicants who conduct interdisciplinary research which will complement the current expertise in our department and college.
- **University of Massachusetts Amherst**
Position: [Assistant Professor \(Multiple Positions\)](#)
Brief description: The Department of Chemical Engineering at the University of Massachusetts Amherst invites applications for two tenure-track faculty positions at the Assistant Professor rank. Individuals with all research directions within Chemical Engineering will be considered. The first position focuses on experimental or computational research in energy-related fields, for example energy storage, catalytic or non-catalytic processes, sustainability, advanced materials, green chemistry, biomanufacturing, and biomolecular engineering. The second position focuses on computational modeling and simulation in any area of chemical engineering, including machine learning, and artificial intelligence. Additional possible research directions include, but are not limited to, reaction engineering, fluid mechanics, separations, and transport processes.
- **Johns Hopkins University**
The Ralph O'Connor Sustainable Energy Institute is accepting applications for multiple tenure/tenure-track positions in the Whiting School of Engineering (WSE) and Krieger School of Arts and Sciences (KSAS)
 - **Position:** [Tenure-track positions in Electrical & Computer Engineering \(I29957\)](#)
Location: Whiting School of Engineering
Brief description: The candidate must hold a Ph.D. in electrical or computer engineering or a related field and will be expected to contribute to the growth of the Electrical & Computer engineering program, develop an independent research program, secure research funding, and teach courses in the electrical & computer engineering area.
 - **Position:** [Instructor for Mechanical Engineering Senior Design Course \(I23139\)](#)
Location: Whiting School of Engineering
Brief description: The Department of Mechanical Engineering at the Johns Hopkins University seeks an experienced mechanical engineer to lead our undergraduate senior design program. We are looking for an engineer with several years of applied experience designing and manufacturing mechanical systems. Project management experience is a plus. The candidate selected for this position will be the primary instructor for the Department's two-semester capstone senior design course. The goal of the course is to provide students with an opportunity to apply their theoretical knowledge, acquired during their first three years of course work, to solve real-world practical problems.
 - **Position:** [Head, Department of Civil and Systems Engineering \(98570\)](#)
Location: Whiting School of Engineering
Brief description: The Whiting School of Engineering at Johns Hopkins University invites nominations and applications for the position of Head of the Department of Civil & Systems Engineering (CaSE). This is an outstanding opportunity for an accomplished scholar to collaborate with a growing faculty and an enterprising dean to lead a collegial and innovative department at the nation's first research university. Serving a renewable five-year term, the Head will be appointed in CaSE, with secondary appointment(s) possible elsewhere, and will be encouraged to remain active in research, with strategic leadership of the Department as their top priority.
 - **Position:** [Tenure-Track Faculty Position in Chemistry \(I33718\)](#)
Location: Zanvyl Krieger School of Arts and Sciences
Brief description: Successful candidates will join Chemistry and the Ralph O'Connor Sustainable Energy Institute (ROSEI), the university's home for the sustainable transformations and energy cluster (energyinstitute.jhu.edu/bdp-cluster-faculty-hiring/). ROSEI provides unique programming for its faculty as it spans the development and implementation of critical sustainable energy technologies to aid in the energy transition.
 - **Position:** [Tenure-track Economist with application interest in Sustainable Energy \(I35557\)](#)
Location: Ralph O'Connor Sustainable Energy
Brief description: The Department of Economics and the Ralph O'Connor Sustainable Energy Institute (ROSEI) at Johns Hopkins University seek junior faculty candidates in the fields of energy and environmental economics as part of a cluster search related to sustainable energy. Applicants from related fields, such as industrial organization, public finance, or applied microeconomics, with applications to energy and the environment are welcomed.
- **University of Arkansas**
 - **Position:** [Assistant Professor in Metabolic Research](#)
Brief description: While applications from all engineering disciplines are welcome, we seek candidates with a research focus in the area of metabolism that can join the Ralph E. Martin Department of Chemical Engineering. The Chemical Engineering department is home to 16 faculty members with diverse expertise spanning healthcare, energy, advanced materials, separations, and process engineering. With over \$23 million in endowments, our department also houses five endowed chairs and eight endowed professorships supporting our research, teaching, and service activities. This search is part of the College's commitment to grow our existing strengths in metabolic research and is closely aligned with the recently established Arkansas Integrative Metabolic Research Center (AIMRC). The AIMRC is an NIH-funded Center for Biomedical Research Excellence that will provide critical support to junior faculty to establish their research programs.
 - **Position:** [Assistant Professor – Engineering – 9 MONTH](#)
Brief description: The Ralph E. Martin Department of Chemical Engineering at the University of Arkansas invites applications for a tenure-track faculty position at the rank of Assistant Professor within the College of Engineering. While applications from all research areas are welcome, preference will be given to candidates with a research focus in the areas of experimental fluid mechanics, advanced materials, and/or energy. The Chemical Engineering department is home to 16 faculty members with diverse expertise spanning healthcare, energy, advanced materials, nanotechnology, and sustainability. With over \$23 million in endowments, our department also houses five endowed chairs and eight endowed professorships supporting our research, teaching, and service activities.
- **University of South Carolina**
Position: [Professor, Tenure Track – Chemical Engineering](#)
Brief description: The College of Engineering and Computing at the University of South Carolina is continuing to expand its tenured and tenure-track ranks significantly. As part of this growth, the Department of Chemical Engineering seeks dynamic tenured and tenure-track faculty members for Fall 2024. Applicants at all ranks are encouraged to apply. Applicants for the rank of Assistant Professor must possess a Ph.D. degree in chemical engineering or a related field by the time of appointment and demonstrate potential for excellence in teaching and research; applicants for the rank of Associate Professor and Full Professor must also have years of relevant academic experience commensurate with academic policy by the time of appointment, with a strong, sustained record of excellence in teaching and research.
- **University of Kansas**
Position: [Assistant Professor of Chemical and Petroleum Engineering](#)
Brief description: The Department of Chemical and Petroleum Engineering (CPE) at the University of Kansas (KU) invites applications for a full-time tenure track position at the Assistant Professor rank. We welcome applications from candidates with expertise in either experimental or computational research that will complement the department and university's current strengths in areas of energy and sustainable environmental technologies and/or biotechnology. Candidates who can strengthen existing research programs and centers in energy and sustainability are especially encouraged to apply.
- **University of California**
Position: [Assistant Professor of Teaching](#)
Brief description: The Department of Chemical and Biomolecular Engineering in the Henry Samueli School of Engineering at the University of California, Irvine invites applications for an Assistant Professor of Teaching with a target start date of July 1, 2024. Professors of Teaching are hired under the Lecturer with Security of Employment series at the University of California. Assistant Professors are full members of the Academic Senate and, upon promotion, receive security of employment comparable to tenure.
- **University of Alabama**
Position: [Multiple Tenure-track Positions](#)
Brief description: The Department of Chemical and Biological Engineering at The University of Alabama (UA) seeks outstanding applicants for multiple tenure-track and tenured faculty positions at all ranks. Candidates with research interests in all areas of chemical and biological engineering are encouraged to apply. Additionally, candidates with research expertise in the areas of bio/metabolic engineering, biomaterials, computational biology, additive and advanced manufacturing, process control and systems engineering, sustainable polymers, and electrochemical engineering are particularly encouraged to apply since these areas are a focus of one or more of the positions in this search.

Available positions can be found on the Chemical & Biomolecular Engineering [opportunity website](#), so be sure to check it regularly.