

NEWS OF THE WEEK

NOVEMBER 10, 2025

DEPARTMENT SEMINAR/EVENTS:

- **Fall 2025 CBE Seminar Series**
December 5, 2025 at 10:15 AM in 102 CLB
Christian Pester, University of Delaware
[Engineering of Functional Polymer Coatings – from Self-healing to Photocatalysis](#)

OTHER DEPARTMENT SEMINAR/EVENTS:

- **CAS – BISC Seminar**
Rejji Kuruville, Ph.D., Johns Hopkins University
November 12, 2025, at 10:20 AM in 318 WLF
[Sympathetic nervous system: connectivity and functions](#)
- **CAS – Inorganic Chemistry Seminar**
Adam Holewinski, Ph.D., University of Colorado
November 12, 2025, at 4:00 PM in 219 BRL
[Kinetic Fingerprints of Electro-Oxidations on Bimetallics: Understanding the Interplay of Bifunctional and Electronic Effects](#)
- **CAS – Biochemistry Seminar**
J. Martin Bollinger Jr. Ph.D., Penn State University
November 14, 2025, at 4:00 PM in 219 BRL
[Structural and Mechanistic Bases for Promotion of Diverse Reaction Outcomes by Iron\(II\)- and 2-Oxoglutarate-Dependent Oxygenases](#)
- **3Peak Coaching**
Benjamin McDonald, Brown University
November 19, 2025, at 10:30 AM in 322 ISE
[Post-grad Applied Coaching](#)
- **MSEG Seminar Series**
Co-sponsored by CHARM
Benjamin McDonald, Brown University
November 19, 2025, at 10:30 AM in 322 ISE
[Molecular Design of Processes and Polymers for Bioinspired Soft Materials](#)
- **COE – EGGG 101 Final Project Presentations**
First-Year Engineering Design Showcase
December 1, 2025, at Trabant Multipurpose Room
 - Section 1 Presentations: 10:20 AM – 11:15 AM
 - Section 2 Presentations: 11:30 AM – 12:25 PMSign up to be an evaluator or drop by for the EGGG 101: Introduction to Engineering final project presentations on **Monday, Dec. 1, 2025**. This year's ~700 first-semester engineering students have done a fabulous job building a tabletop game or puzzle incorporating 3D-printed, laser-cut, and electronic components. Students will be presenting their design prototypes at this showcase. [Sign up here](#) to be an evaluator. Otherwise, you are welcome to drop by anytime during the listed time slots.

JOBS/RECRUITING

- **University of Wisconsin-Madison**
Position: Assistant, Associate, or Full Professor in AI & Machine Learning in Polymeric Materials (RISE-AI)
Req.#: JR10004050
Brief description: The Department of Chemical and Biological Engineering seeks applicants at all ranks with a distinguished academic record and exceptional potential for creative research that applies chemical and biological engineering methodologies to solve sustainability problems. This position is part of the Wisconsin Research, Innovation and Scholarly Excellence (RISE) Initiative. The successful candidate will have an excellent academic record, a vision for an innovative, significant and impactful research program, the skills to implement it, and a commitment to high quality undergraduate and graduate instruction and mentoring. The candidate's years of experience and professional accomplishments will be commensurate with the rank sought.
- **University of Missouri**
Position: Assistant Professor, Department of Chemical and Biomedical Engineering
Job ID: 57742
Brief description: The department invites applications from researchers developing innovative materials that address societal challenges in energy, environmental sustainability, and human health. Areas of emphasis include polymeric materials, materials for nuclear technologies, and hybrid or multifunctional materials with tailored properties, using either experimental synthesis and characterization or computational design and modeling. We are particularly interested in candidates whose work leverages computational, data-driven, or machine learning approaches for materials discovery, design, or analysis. This position will strengthen the department's leadership in materials innovation and its integration into emerging technologies across application domains.
- **California Polytechnic State University**
Position: Assistant Professor - Materials Engineering (AY 26/27)
Job ID: 552609
Brief description: The department invites applications from researchers developing innovative materials that address societal challenges in energy, environmental sustainability, and human health. Areas of emphasis include polymeric materials, materials for nuclear technologies, and hybrid or multifunctional materials with tailored properties, using either experimental synthesis and characterization or computational design and modeling. We are particularly interested in candidates whose work leverages computational, data-driven, or machine learning approaches for materials discovery, design, or analysis. This position will strengthen the department's leadership in materials innovation and its integration into emerging technologies across application domains.
- **University of Toronto**
 - **Position:** [Assistant Professor - Process Intensification](#)
Req ID: 45128
Closing date: 01/15/26
Brief description: Candidates must have earned a PhD degree in Chemical Engineering or a related field by the time of appointment, must hold a baccalaureate degree in Chemical Engineering or an equivalent discipline, and must demonstrate a record of excellence in both research and teaching. We seek candidates whose research and teaching interests complement and enhance our existing departmental strengths in areas such as catalysis, thermodynamics, advanced separations, integrated chemical process design and optimization, scaling and modularizing chemical processes, and novel energy inputs, with applications in industrial decarbonization, CO2 capture and conversion, energy efficient processes, the circular economy, and water recovery.
 - **Position:** [Assistant Professor - Nuclear Engineering](#)
Req ID: 45126
Closing date: 01/15/26
Brief description: Candidates must have earned a PhD degree in Chemical Engineering or a related field by the time of appointment, must hold a baccalaureate degree in Chemical Engineering or an equivalent discipline, and must demonstrate a record of excellence in both research and teaching. We seek candidates whose research and teaching interests complement and enhance our existing departmental strengths in areas such as modern nuclear reactor design (fission, fusion, and small modular reactors), transport phenomena in nuclear reactors, thermal hydraulics, molten salt chemistry, thermodynamics, and processing, nuclear chemistry, AI-assisted modeling and simulation of nuclear energy systems, nuclear safety and waste management, and hybrid nuclear-renewable systems.
 - **Position:** [Associate Professor - Nuclear Engineering](#)
Req ID: 45127
Closing date: 01/06/26
Brief description: Candidates must have a PhD degree in Chemical Engineering or a related field, must hold a baccalaureate degree in Chemical Engineering or an equivalent discipline, and must have a clearly demonstrated record of excellence in research and teaching. We seek candidates whose research and teaching interests complement and enhance our existing departmental strengths in areas such as modern nuclear reactor design (fission, fusion, and small modular reactors), transport phenomena in nuclear reactors, thermal hydraulics, molten salt chemistry, thermodynamics, and processing, nuclear chemistry, AI-assisted modeling and simulation of nuclear energy systems, nuclear safety and waste management, and hybrid nuclear-renewable systems.

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