NEWS OF THE WEEK

OCTOBER 28, 2024

CBE IN THE NEWS

- Congratulations to Chemical and Biomolecular Engineering Junior Emmanuel Ortiz for being awarded the AIChE MAC Scholarship Award

DEPARTMENT'S SEMINAR/EVENTS

- **CBE Seminar Series**
  at 10:00 AM in 102 Colburn Lab (*unless otherwise noted*)
    - **Srikanth Pilla, University of Delaware**
      Friday, November 15, 2024
      "Atoms to Autos: Bridging Fundamental Science with Applied Engineering to Enable Sustainable Technologies Transforming the Mobility Industry"
    - **Yeongseon Jang, University of Florida**
      Friday, December 6, 2024
      "Engineering Globular Protein Vesicles for Protein-Powered Synthetic Minimal Cells"

OTHER DEPARTMENT EVENTS:

- **MSEG Fall 2024 Seminar Series**
    - **Dr. William Ndugire, University of Massachusetts, Amherst**
      Tuesday, October 29, 2024 at 10:00 AM in 219 BRL
      "From Chao to Clarity: Autonomous Materials Discovery for Extreme Environments"

    - **Steven Spurgeon, University of Colorado**
      October 30, 2024 at 10:30 AM in 322 ISE
      "From Chaos to Clarity: Autonomous Materials Discovery for Extreme Environments"

- **CCM Seminars**
  Dr. Nicholas Rorrer, National Renewable Energy Laboratory
  Tuesday, November 12, 20024 at 11:00 AM
  in 101 Academy Street, Room 106
  "Scaling Recyclable and Dynamic Thermosets: From Beaker to Wind blade and Beyond"

JOBS/RECRUITING

- **Texas A&M University**
  Position: Postdoctoral Position in the area of Carbon Capture
  Brief description: An industry sponsored postdoctoral position is available in the Pentzer Lab to work on direct air capture of CO2. The successful candidate will be responsible for producing composites of polymer and carbon capture liquids, characterizing composition, and relating morphology and composition to CO2 uptake performance and regeneration. They will collaborate with other group members and industry sponsors and will support the writing of reports and dissemination of research outputs. A background in gas uptake, carbon capture, separations, membranes, or composites is desired. Ideal candidates are goal oriented, selfdriven, and have excellent communication skills.

- **Case Western Reserve University**
  Position: Assistant Professor in Chemical and Biomolecular Engineering
  Brief description: The Department of Chemical and Biomolecular Engineering at Case Western Reserve University invites applications for two new tenure-track faculty positions at the Assistant Professor level, commensurate with experience and qualifications. Appointments will be considered for starting dates as early as July 1, 2025.

- **University of California, Irvine**
  Position: Assistant (Tenure Track) or Associate (Tenured) Professor in Chemical & Biomolecular Engineering
  Brief description: The Department of Chemical and Biomolecular Engineering in the Henry Samueli School of Engineering at the University of California, Irvine (UCI) invites applications for a tenure-track faculty position at the Assistant Professor, or tenured faculty position at the Associate Professor level with a target start date of July 1, 2025. We seek candidates interested in building a strong, vibrant, and diverse research group in Macromolecular Engineering.

- **University of California, Irvine**
    - **Position**: Assistant/Associate/Full Professor – Materials Science & Engineering
      Brief description: The Department of Materials Science and Engineering at the University of Wisconsin-Madison seeks new faculty members at any level in the area of polymeric materials. Areas of interest include but are not limited to batteries, CO2 capture and separation, and polymer membranes water purification and desalination. Research complementing existing efforts across the College of Engineering in polymer synthesis, polymer upcycling and recycling, biopolymers, the materials science of soft materials, and advanced manufacturing is of particular interest. This position is part of the RISE-EARTH initiative (EARTH stands for Environment: Adaptation, Resilience, Technology, and Humanity), which aims to strengthen the university's ability to address challenges and opportunities related to the environment, translating discoveries into tangible benefits at home in Wisconsin and beyond.

    - **Position**: Assistant/Associate/Full Professor – Materials Science & Engineering
      Brief description: The Department of Materials Science and Engineering at the University of Wisconsin-Madison seeks new faculty at any level in the area of artificial intelligence and machine learning (AI and ML) for the design of polymer materials. Areas of interest include but are not limited to the development of AI/ML for predicting polymer properties and in de nova polymer design, the design of functional polymers with specific properties, and high-throughput computational screening methods to guide experiments. Research complementing existing efforts across the College of Engineering in polymer synthesis, polymer upcycling and recycling, biopolymers, the materials science of soft materials, and advanced manufacturing is of particular interest. This position is part of the RISE-AI initiative, which seeks new faculty to expand upon UW-Madison's existing expertise in artificial intelligence (AI) and machine learning (ML) with a focus on both the core scientific dimensions as well as the human-centered implications of AI.

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