

NEWS OF THE WEEK

September 30, 2019

CBE IN THE NEWS:

- [A New Scientific Instrument for The Nation](#) – Chemical Engineering’s Norman Wagner to lead the development of world-class neutron research instrument

THIS MONTH'S DEPARTMENT SEMINAR/EVENTS:

- **CBE Seminar Series**
Time & Location: 10:00 AM in 102 CLB
 - Brian Pflieger, University of Wisconsin-Madison
Friday, October 4, 2019
[“Metabolic Engineering Strategies for Producing Oleochemicals in Bacteria”](#)
 - Jeffrey Rimer, University of Houston
Friday, October 18, 2019
[“Breaking the Rules of Classical Crystallization: An Unconventional Guide to Crystal Engineering”](#)
 - Roseanna Zia, Stanford University
Friday, December 6, 2019
[““Phase mechanics” of Arrested Colloidal Gels: A New Paradigm for Non-equilibrium Phase Transitions in Soft Matter”](#)
- **CRiSP Seminar**
 - Theresa Tonge, W. L. Gore & Associates, Inc.
Monday, September 30, 2019
10:00 AM in 366 CLB
[“From Cell Phones to Stent Grafts: Materials Science and Innovation at W.L. Gore & Associates”](#)
 - Bruno D’Aguanno, VIT University, Vellore
Tuesday, October 1, 2019
10:00 AM in 366 CLB
[“Design Criteria of Advanced Nanomaterials from the Basic Understanding of Thermal Energy Storage Mechanisms”](#)
 - Michael Hore, Case Western Reserve University
Monday, October 14, 2019
10:00 AM in 366 CLB
[“Translocation of Soft Nanoparticles Through Confining Nanochannels”](#)
 - Pushkar Lele, Texas A&M University
Monday, October 28, 2019
10:00 AM in 366 CLB
[“Random Walks, Hydrodynamic Interactions, and Molecular Memory in Bacteria”](#)
- **CBST Seminar**
 - Bruce Kerwin, Just Biotherapeutics, Inc.
Tuesday, October 8, 2019
10:00 AM in 366 CLB
[“Developing Biologics for a Global Population”](#)
 - Ashlee Ford Versypt, Oklahoma State University
Monday, October 15, 2019
1:00 PM in 366 CLB
[“Systems Biomedicine and Pharmaceuticals: Multiscale Modeling of Tissues, Treatments, & Toxicology”](#)
 - Kang Zhou, National University of Singapore
Wednesday, October 30, 2019
10:00 AM in 366 CLB
[“New Bioinformatic and Molecular Biology Tools for Metabolic Engineering”](#)
 - **CRISPR Lunch and Learn**
Sponsored by Synthego
[“Bring the Power of CRISPR to Your Research”](#)
Tuesday, October 3, 2019
12:00 – 1:30 PM in 366 CLB
[Register NOW](#)
- **CCST Seminar**
Thomas F. Fuller, Georgia Institute of Technology
Thursday, October 3, 2019
1:45 PM in 366 CLB
[“Durability of Electrochemical Systems”](#)
- **2019 Neutron Day – SAVE THE DATE**
Wednesday, October 30, 2019
8:30 AM – 4:30 PM
Clayton Hall Conference Center
To Register [CLICK HERE](#)
To view the Program, [CLICK HERE](#)

OTHER DEPARTMENT’S MONTHLY SEMINAR/EVENTS:

- Physics and Astronomy
 - Su-Huai Wei, Beijing Computational Science Research Center
Monday, September 30, 2019
11:00 AM in 322 ISE
“First Principles Design of Materials for Energy and Optoelectronic Device Applications”

- [Colloquium] Adebajo Oriade, University of Delaware
Tuesday, October 1, 2019
4:00 PM in 215 SHL
“Science Active Learning Tools: Paper ‘helicopter’ video analysis”
- **Condensed Matter and Nanophysics**
R.C. Budhani, Morgan State University
Tuesday, October 1, 2019
2:00 PM in 215 SHL
“Superconductivity and Electronic Reconstruction at LaTiO₃ - SrTiO₃ Interface”
- **Astronomy & Space Physics**
Adebajo Oriade, University of Delaware
Tuesday, October 1, 2019
4:00 PM in 215 SHL
“Science Active Learning Tools: Paper ‘helicopter’ video analysis”
- **Particle Physics**
Radomir Smida, University of Chicago
Thursday, October 3, 2019
2:00 PM in 215 SHL
“Search for light dark matter with CCDs”
- **Department of Computer and Information Sciences Distinguished Lecture Series**
David Bader, New Jersey Institute of Technology
Thursday, October 3, 2019
11:15 AM at Gore Recital Hall, Roselle Center for the Arts
“Massive-Scale Analytics”
- **Department of Philosophy’s David Norton Memorial Lecture**
Professor Robert P. George, Princeton University
Wednesday, October 9, 2019
5:00 PM in Trabant, Multipurpose Room B
“Constitutional Structures and Civic Virtue”

JOBS/RECRUITING:

- **Penn State University**
Position: [Faculty Position](#)
Job #: 90743
Brief Description: The Department of Chemical Engineering at Penn State (<http://www.che.psu.edu>) invites applications for a tenure-line faculty position at the Assistant, Associate, or Professor level. While the area of research and scholarship is open, applicants who can develop and maintain a vibrant sponsored research program in life cycle assessment (LCA) and environmental impacts will be given greater consideration. In addition to research and scholarship, the successful applicant will be expected to teach at the undergraduate and graduate levels. There is a preference for applicants with a Bachelor of Science and/or Ph.D. degree in Chemical Engineering. Successful candidates must have a Ph.D. in Chemical Engineering or a related field at the time of starting the position and a strong record of scholarly achievement.
- **University of Michigan**
Position: [Faculty Position](#)
Brief Description: The Department of Chemical Engineering seeks highly qualified applicants for tenure-track or tenured positions at all levels. Applicants should have a PhD in chemical engineering or closely related fields, a track record of outstanding research, and a commitment to excellence in education and student mentoring. We seek qualified applicants from all areas of – and at the boundaries of – chemical engineering. We are especially interested in applicants working in tissue engineering, soft matter, energy life cycle, and artificial intelligence, including data science, machine learning, and robotics.
- **University of Georgia**
Position: [Assistant Professor \(Biomaterials & Synthetic Biology\)](#)
Posting #: F0459P
Brief Description: The School of Chemical, Materials, and Biomedical Engineering within the College of Engineering at the University of Georgia (UGA) is seeking applications for a 9-month tenure-track assistant professor position to begin August 2020. The successful applicant will join an interdisciplinary team in the recently established New Materials Institute (www.newmaterials.uga.edu), which is focused on the design and disposal of new products and materials guided by green engineering principles in ways that minimize waste, promotes sustainability, and protects human health. Numerous companies are partnering with leading researchers in the institute to accelerate technology translation through advanced materials testing and evaluation. Research in the Institute includes circular materials management, advanced polymers, fibers & coatings, and technology development.
- **University of Rhode Island**
Position: [Assistant Professor](#)
Position #: 106183
Posting #: F00161
Brief Description: The Department of Chemical Engineering at the University of Rhode Island (URI) has an opening for a full-time, tenure-track position at the Assistant Professor level in the broadly defined area of Biomaterials. Preferred start date is August 2020. The successful candidate will teach core chemical engineering courses at both the undergraduate and graduate level, including an undergraduate Biomaterials Engineering course; advise students at both the undergraduate and graduate levels; conduct an externally-funded research program; and serve on departmental and university level committees.

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