NEWS OF THE WEEK

JUN 22, 2020

CBE IN THE NEWS

- Shaping the future of chemical engineering

UPCOMING CBE THESIS DEFENSE(S):

- 06/25/2020 @ 2:00 PM – Virtual Defense Presentation of David Pham: "Tools and Design Considerations for Improvements in Fused Filament Fabrication Additive Manufacturing"
  Meeting ID: 987 8536 5377
- 06/26/2020 @ 10:30 AM – Virtual Defense Presentation of Jonathan Lym: "Prediction of Heterogenous Catalyst Properties Using Data-Driven Multiscale Modeling and Software Development"
  Meeting ID: 993 1754 0141
- 06/26/2020 @ 3:00 PM – Virtual Defense Presentation of Jeffrey Horner: "An Experimental and Theoretical Investigation of Blood Rheology"
  Meeting ID: 925 2834 7452 / Password: 707794

OTHER DEPARTMENT'S SEMINAR/EVENTS:

- **RAPID Webinars**
  - **Machine Learning in Physical Sciences Webinar Series**
    Professor Michele Ceriotti, Ph.D.
    Tuesday, June 23, 2020 at 10:00 AM
    Meeting ID: 929 8214 8671
    "Physics Based and Data-driven Multiscale Materials Modeling"
  - **UD RAPID Webinar**
    Professor Annemie Bogaerts, Ph.D.
    Tuesday, June 25, 2020 at 9:00 AM
    Meeting ID: 974 8521 0147
    "Plasma-based CO2 Conversion"
  - **Delaware Energy Institute (DEI) Webinar**
    Professor Kai Sundmacher, Ph.D.
    Friday, June 26, 2020 at 9:00 AM
    Meeting ID: 940 2051 9500
    "Structure and Dynamics of Chemical Energy Conversion Systems"

JOBS/RECRUITING:

- **Brandeis University**
  Location: Materials Research Science and Engineering Center: Bioinspired Soft Materials research center
  Position: Four Investigators
  - (1, 2) Experimental Soft Matter (DNA origami and self-assembly)
  - (3) Computational Soft Matter (Modeling self-assembly pathways)
  - (4) Theoretical Soft Matter (Theory-directed design)

  Brief description: We seek four postdocs to join a multidisciplinary, tightly integrated team of four investigators within the Brandeis Bioinspired Soft Materials research center (Ben Rogers, Seth Fraden, Mike Hagan, and Greg Grason) to design and synthesize new DNA-origami building blocks, elucidate the mechanisms of their assembly into self-limiting architectures, and model the assembly pathways using theory and computer simulation. Our team of students, postdocs and faculty will work together across groups and disciplines to achieve our goals. This position offers ample opportunities for your professional development including participating in exciting cutting-edge science, gaining mentoring experience, and initiating your own research directions.

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