NEWS OF THE WEEK
JULY 11, 2022

CBE IN THE NEWS
• Updates regarding the COVID-19 vaccine
• For the Record

DEPARTMENT’S SEMINAR/EVENTS:

CBE Events
• Summer Moo Mobile Parties 12:00-3:00 PM
  Outside Colburn Lab—next to facilities
  (‘‘Only 100 tickets available - 1st come, 1st served’’)
  ➢ Friday, Jul. 15
    Ticket Pick-up available on Jul. 15 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB
  ➢ Friday, Aug. 5
    Ticket Pick-up available on Aug. 4 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB
  ➢ Friday, Aug. 19
    Ticket Pick-up available on Aug. 18 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB
  ➢ Friday, Sep. 2
    Ticket Pick-up available on Sep. 1 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB

CNS Events
Dr. Andrea Scotti, RWTH Aachen University
Friday, July 29, 2022 at 10:00 AM in 366 CLB
and via Zoom: https://udel.zoom.us/j/98051682130
Password: NeutronS
“Phase Behavior and Structure of Super Soft Spheres in Two and Three Dimensions”

OTHER DEPARTMENT’S SEMINAR/EVENTS:

Department of Biological Sciences
Dr. Jian Sun, Center for Cancer Research, National Cancer Institute
Friday, July 15, 2022 at 11:00 AM in 318 WLP
and via Zoom: https://udel.zoom.us/j/96419201299
“Male infertility-associated Ccdc108 regulates multiciliogenesis via the intraflagellar transport machinery”

Civil & Environmental Engineering
• Dr. Aritra Banerjee, South Dakota State University
  Monday, July 11, 2022 at 130 PM in 207 ISE
  “Effects of Climate Change and Sea-Level Rise on Civil Infrastructure in the Coastal Environment”
• Dr. Nina Stark, Virginia Tech
  Thursday, July 14, 2022 at 130 PM in 207 ISE
  “Geotechnical Engineering in Riverine and Coastal Environments”

JOBS/RECRUITING

NIST Polymers Processing Group
• Open to US citizens only.
• Base salary $ 74,950, relocation at start, yearly travel allotment $3k minimum. Duration 2 years guaranteed.
• A NIST webpage on the NRC program
• Details of NRC Associateship Programs at NIST
• The NRC fellowship can be a first or second postdoc. Eligibility criterion is 5 years out from PhD.
• Competition deadline August 1st and February 1st every year. Requires written proposal. It usually takes – 3-4 weeks to put together a competitive application
• Plan ahead: Awards from the August 1st competition are announced starting in October, with start dates anytime between January and June of the following calendar year
• Awards from the February 1st competition are announced starting in April, with start dates anytime between July and December of the same calendar year.
• If you’re interested, the first step is to email Dean M. DeLongchamp

Group Background:
Our polymers processing group tackles scientific and measurement challenges in flexible & printed electronics, additive manufacturing (3D printing), rheology, self-assembled materials, and nanoscale structure measurement. We have a diverse array of soft materials structure measurement tools and computational resources. Our group is also a heavy user of synchrotron and neutron facilities. We have a special project focused on resonant soft X-ray scattering. Multiple advisors are available to match different interests. Alumni of our group have found permanent follow-on employment as university PIs, industry researchers, and permanent staff at government labs (NIST, and others).
• Flexible and Printed Electronics: https://www.nist.gov/programs-projects/flexible-and-printed-electronics
• Nanolithography: https://www.nist.gov/programs-projects/metrology-nanolithography
• Polymers Manufacturing and Rheology: https://www.nist.gov/programs-projects/polymers-manufacturing-and-rheology

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