

NEWS OF THE WEEK

JULY 18, 2022

CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)
- [Professor Arthi Jayaraman and Jennifer Johnson talk about the impact of their Computer and Data Science Training for Materials Innovation, Discovery, and Analytics \(NRT-MIDAS\) program](#)
- [Congratulations to Professor Norman Wagner for having his work on Martian and lunar regolith being highlighted in Advances in Engineering](#)
- [Congratulations to Khushboo Suman for having the Scilight “Colloidal gels age differently under shallow, deep quenches” selected by the American Institute of Physics \(AIP\)](#)

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, 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
- [WIE Ice Cream Social](#)
Who: All COE graduate students, postdocs, and faculty!
When: July 22nd from 2-4 PM
Where: Perkins Rear Patio (Rain location: Perkins Bacchus Theater)
- **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: Neutron\$
[“Phase Behavior and Structure of Super Soft Spheres in Two and Three Dimensions”](#)
- **CBE Annual Graduate Student Welcome Picnic**
Monday, August 29, 2022
4:30 - 7:00 PM at White Clay Creek State Park: Carpenter Recreation Area
[REGISTRATION](#) required **by Monday, Aug. 8th**

OTHER DEPARTMENT’S SEMINAR/EVENTS:

- **DOW Recruiting**
On-campus Interviews: August 2 & 3. Students planning to complete their PhD or post-doc assignment before the end of 2023 are eligible and encouraged to apply to our 2022-23 job in Handshake. [Students should sign up now!](#)

Special Interest Sessions: These will be virtual, unique opportunities for candidates in those specific technical areas to 1) hear from Dow experts and 2) also present a 1-slide summary of their work as an early intro to Dow (interested students should sign up for the specific event(s) of interest in Handshake).

July 18 (3-4pm): Special Interest Session – Materials Science/Rheology

July 21 (3-4pm): Special Interest Session – Engineering/Processing/Catalysis

July 25 (3-4pm): Special Interest Session – Data Science/Modeling/Statistics

Dow Information Session: This broad Dow information session will be important to all students interested in interviewing with us this year, and is also open to faculty and other interested students. It will be held in 366 Colburn Lab.

July 26 (3-5pm): Dow Information

JOBS/RECRUITING

- **NRC Postdoc Fellowship in the 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 Ph.D.
 - 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. Alums of our group have found permanent follow-on employment as university PIs, industry researchers, and permanent staff at government labs (NIST, and others).

- Our RSoXS Program: <https://www.nist.gov/programs-projects/resonant-soft-x-ray-scattering-rsoxs>
- 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.