



Sharon C. Glotzer to present The Fred Kavli Distinguished Lectureship in Materials Science

Sharon C. Glotzer, the John W. Cahn Distinguished University Professor of Engineering and the Stuart W. Churchill Collegiate Professor of Chemical Engineering and Professor of Materials Science and Engineering at the University of Michigan, will give The Fred Kavli Distinguished Lectureship in Materials Science at the 2019 Materials Research Society (MRS) Fall Meeting in Boston.

Glotzer's current research on computational assembly science and engineering aims toward predictive materials design of colloidal and soft matter. Using computation, geometrical concepts, and statistical mechanics, her research group seeks to understand complex behavior emerging

from simple rules and forces, and they use that knowledge to design new materials. Glotzer's group also develops and disseminates powerful open-source software, including the particle simulation toolkit, HOOMD-blue, which allows for fast molecular simulation of materials on graphics processors, the signac framework for data and workflow management, and several analyses and visualization tools.

Glotzer holds faculty appointments in physics, applied physics, and macromolecular science and engineering. She is also the Anthony C. Lembke Department Chair of Chemical Engineering at the University of Michigan. She received her BS degree in physics from the University of California,

Los Angeles, and her PhD degree in physics from Boston University. She is a member of the National Academy of Sciences, the National Academy of Engineering, and the American Academy of Arts & Sciences. She is a Fellow of MRS, the American Association for the Advancement of Science, the American Institute of Chemical Engineers (AIChE), the American Physical Society (APS), and the Royal Society of Chemistry. Glotzer is the recipient of the 2019 Aneesur Rahman Prize for Computational Physics from APS, the 2018 Nanoscale Science and Engineering Forum and the 2016 Alpha Chi Sigma Awards, both from the AIChE, the 2017 *MRS Communications* Lecture Award and the 2014 MRS Medal. She is an advocate for simulation-based materials research, including nanotechnology and high-performance computing, serving on boards and advisory committees of the National Science Foundation, the US Department of Energy, and the National Academies of Sciences, Engineering, and Medicine (National Academies). She is currently a member of the National Academies Board on Chemical Sciences and Technology.



Hatzell to receive MRS Nelson "Buck" Robinson Science and Technology Award for Renewable Energy

Kelsey Hatzell, Vanderbilt University, will receive the Materials Research Society (MRS) Nelson "Buck" Robinson Science and Technology Award for Renewable Energy, which recognizes a student, postdoc, or other early-career professional through five years following the highest degree attained for the development of novel sustainable solutions for the realization of renewable sources of energy.

Hatzell's research group (Inks and Interfaces) works on multifunctional coatings and understanding phenomena

at solid-liquid and solid-solid interfaces. The group works on an array of different applications related to solid-state batteries, electrochemical fuel production, printing, water desalination, and separations application. She is interested in understanding far-from-equilibrium materials systems and uses a suite of x-ray and neutron techniques to understand these systems.

Hatzell earned her BS/BA degrees in engineering/economics from Swarthmore College and her PhD degree in materials science and engineering from Drexel

University. She is currently an assistant professor of mechanical engineering and assistant professor of chemical and biomolecular engineering at Vanderbilt University.

Hatzell was an ITRI-Rosenfeld Postdoctoral Fellow at Lawrence Berkeley National Laboratory and a National Science Foundation (NSF) Graduate Research Fellow. She received the Arthur Nowick Award and the Silver Graduate Student Award, both from MRS. Since joining Vanderbilt, she has won the Ralph E. Powe Junior Faculty Enhancement Award (2017), the NSF CAREER Award (2019), and The Electrochemical Society Toyota Young Investigator Award (2019). Hatzell was also named a SCIALOG Fellow in energy storage by the Research Corporation for Science Advancement (2017–2019).

MRS acknowledges the generosity of Sophie Robinson for endowing this award in memory of her father, Nelson "Buck" Robinson.