



Rensselaer

The HOWARD P. ISERMANN
DEPARTMENT OF CHEMICAL AND
BIOLOGICAL ENGINEERING

CBE Seminar Series – Fall 2020

Dr. Ying Sun

Program Director, Thermal Transport Processes
National Science Foundation

Seminar: Wednesday, September 23, 2020

12:00 p.m. (ONLINE)

WebEx link: <https://rensselaer.webex.com/rensselaer/onstage/g.php?MTID=e2735357ea279d8a78ce7cb3c05667cf5>

Password: CBEseminar

“Overview of Thermal Transport Processes Program and CBET Division at NSF”

Abstract:

This talk will first highlight the vision of the National Science Foundation and the organization and goals of the Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET) within the Engineering Directorate at NSF. The scope and future directions of the Thermal Transport Processes Program will then be discussed along with a number of project highlights. Several Transport Phenomena cluster-wide solicitations and interagency initiatives will be introduced. The lessons learned from the implementation of the no-deadline policy for the unsolicited proposals will be discussed. Finally, a number of cross-cutting, Foundation-wide programs, including National AI Research Institutes, CSSI, and EFRI will be introduced.

Biography:



Dr. Ying Sun is Program Director of the Thermal Transport Processes Program in the Directorate for Engineering at the National Science Foundation. The program supports fundamental and transformative research in thermodynamics, and heat and mass transfer. Dr. Sun is also a Professor in the Department of Mechanical Engineering and Mechanics at Drexel University. Her research interests include multiphase flows and heat/mass transfer, complex fluids, and multiscale modeling with applications in energy systems and advanced manufacturing. Dr. Sun is an ASME Fellow and a recipient of the NSF CAREER Award, AFOSR Summer Faculty Fellowship, French CNRS Visiting Professorship, and Drexel College of Engineering Research Achievement Award. She was an ELATE Leadership Fellow and a visiting professor at Princeton University, Ecole Polytechnique, and Tsinghua University. Dr. Sun serves as an Associate Editor for ASME Journal of Electrochemical Energy Conversion and Storage.

Due to COVID-19, no refreshments will be available for this seminar.

For more information, please contact Lisa Martin (swishl@rpi.edu) or Helen Zha (zhar@rpi.edu)