

ST. OLAF PHYSICS DEPARTMENT

COLLOQUIUM SERIES

A new approach for creating advanced block copolymer (BCP) materials using magnetic fields

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Michelle A Calabrese is an assistant professor in the Department of Chemical Engineering and Materials Science and a McKnight Land Grant Professor at the University of Minnesota. She completed her PhD in Chemical Engineering at the University of Delaware in 2017, where she focused on developing new techniques in rheology and neutron scattering to understand the flow properties of complex fluids. Following her postdoc at MIT, she joined the faculty at UMN in mid-2019. Her research group employs rheology, soft matter physics, and polymer and nanoparticle synthesis to address a range of fundamental and applied problems in polymer and soft materials engineering.

