

## Spring 2024 Graduate Seminar Schedule

Tuesdays, 12:00 PM – 1:20 PM (Refreshments at 11:50 a.m.)

*In Person* | CCR-201 (McLaren Center for Ceramic Research)

<b>January 16</b>	<i>Welcome</i> MSE grad meeting with Dr. O'Carroll
<b>January 23</b>	<i>Engineered Ceramic Composites for Neutron Moderation and Shielding in Advanced Reactors</i> Jason Trelewicz, Stony Brook University
<b>February 6</b>	<i>Ion transport and its application in batteries</i> Hong Fang , Rutgers University
<b>February 13</b>	<i>Exploring Thermal Transport at the Nanoscale with Application to Energy Conversion and Microelectronics</i> Amin Reihani , Rutgers University
<b>February 20</b>	<i>Simulations in Porous Materials</i> Gennady Gor , NJIT
<b>February 27</b>	<i>Interconnected pathways in polymer electrolytes to facilitate ion transport</i> Ben Paren , Stevens Institute of Technology
<b>March 5</b>	<i>Modeling and AI in glass science</i> Adama Tandia , Corning Incorporated
<b>March 19</b>	<i>TBD</i> Ali Hassanli, The International Center for Theoretical Physics in Trieste Italy.
<b>March 26</b>	<i>Multiscale simulation of thermo-hydro-mechanical-chemical (THMC) couplings in hydrated clay using a soft matter physics framework</i> Ian Bourg, Princeton University
<b>April 2</b>	<i>TBD</i> Fadi Abdeljawad, Lehigh University
<b>April 9</b>	<i>TBD</i> Fiorella Prada, Rutgers University
<b>April 16</b>	<i>Multiscale Modeling &amp; Machine Learning Based Digital Twin for a Smart Damage Sensor</i> Somnath Ghosh, Johns Hopkins University

Contact Srishti Kaul at [sk1668@soe.rutgers.edu](mailto:sk1668@soe.rutgers.edu) Phone: (848) 445-2159