

Spring 2019 SEMINAR SERIES

Department of Materials Science & Engineering



Date	Speaker & Title	Host/Adviser
1/22/19	Dr. Lisa Fredin, Lehigh University <i>Modeling Experimental Materials</i>	Prof. Strandwitz
2/5/19	Dr. Andrew Magenau, Drexel University <i>Synthesizing Precise Macromolecules through New Pathways: Functionalization Induced Self-Assembly and Alkylborane Initiation</i>	Prof. Chow Prof. Strandwitz
* 11:30 am Wed., 2/27/19 Sinclair Auditorium	Dr. Tor Grande, NTNU - the Norwegian University of Science and Technology <i>Local and average structure of disordered BiO.5K0.5TiO3-based piezoelectric materials</i> Light Lunch provided	Prof. Agar
3/5/19	Dr. Alice Hunt, University of Georgia <i>Material Identities: The Intersection of Culture, Technology & Material Science</i>	Prof. Jedlicka
3/7/19 Noon Lunch Served	Graduate Student Seminar Ally Fraser Dammy Busari	Advisor Dr. DuPont Advisor Dr. Chow
3/19/19	Dr. Chinedu Ekuma, Lehigh University <i>Prospects and Challenges of Correlated Material Design</i>	Prof. Strandwitz
3/21/19 Noon Lunch Served	Graduate Student Seminar Trevor Verdonik <i>Powder Bed Laser Fusion of Tungsten-Heavy Alloys</i>	Advisors Dr. Misiolek and Dr. Vinci
3/26/19	Dr. Adam Feinberg, Carnegie Mellon University <i>FRESH 3D Printing of Liquid and Soft Materials: New Applications from Regenerative Medicine to Wearable Sensing</i>	Prof. Chow * Co-Sponsored by Bioengineering

Seminars --- 4:10 p.m. --- WH 303 * unless otherwise noted
Refreshments served at 3:45 p.m. outside of WH 303.
Attendance is required of all full-time MS&E Graduate Students.
Seminars Open to Visitors

3/28/19 Noon Lunch Served	Graduate Student Seminar Yi Wang Kasey Campbell	Advisor Dr. Cheng Advisor Dr. Krick
4/2/19	Dr. Suhas Somnath, Oak Ridge National Laboratory <i>Facilitating Data-Driven Scientific Discovery in Material Science - A Data Lifecycle View</i>	Prof. Agar
4/4/19 Noon Lunch Served	Dr. Gabriel Ganot, Exponent <i>Career Options for MSE PhDs in Technical Consulting at Exponent</i>	Sponsored by Exponent
* 4:10 pm Fri., 4/5/19 Packard Lab 466	Dr. Aeriell Murphy-Leonard, University of Michigan <i>Investigating the Influence of Alloying and Grain Size on Low-Cycle Fatigue Behavior in Magnesium</i>	* Co-Sponsoring with Mechanical Engineering and Mechanics
4/9/19	Dr. Cheryl Teich, Dow Chemical Company, Retired <i>Trust the Process . . . Analysis</i>	Prof. Misiolek * Co-Sponsored by Chemical Engineering
4/11/19 Noon Lunch Served	Graduate Student Seminar Gabby Esposito	Advisor Dr. Pearson
4/16/19	Dr. Trygve Magnus Ræder, NTNU <i>In-Plane Ferroelectric Properties and Domain Pattern of BaTiO₃ Films</i>	Prof. Agar
4/23/19	Dr. Don Susan, Sandia National Lab <i>Novel Processing of FeCo-2V Soft Magnetic Alloy and its Effects on Microstructure, Mechanical Properties, and Magnetic Behavior</i>	Prof. DuPont
4/30/19	Dr. Sharon Loverde, College of Staten Island <i>Molecular Simulations of Peptide and Polymer Self-Assemblies</i>	Prof. Chow * Co-Sponsored by Bioengineering
5/2/19 * Starts 4 pm	Undergraduate Symposium	

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11/8/18 Rev 4/10/19