

Materials Science

Session **N**

Room: 102 Steele

10:20 - 10:40 AM	Cameron T. Gross <i>Samuel and Berta Spalter SURF Fellow</i>	Weibull Analysis of Compression and Tension Tests on Nanoscale Zr-Based Metallic Glass Pillars	Julia R. Greer <i>Assistant Professor of Materials Science</i> Dongchan Jang <i>Postdoctoral Scholar in Materials Science</i>
10:40 - 11:00 AM	Josue J. Lopez East Los Angeles College	Effects of Focused Ion Bombardment on Single-Layer Graphene	Julia R. Greer <i>Assistant Professor of Materials Science</i>
11:00 - 11:20 AM	Juying Shang	Towards Synthesis of Gold Nanopillars Using the Vapor- Liquid-Solid Process	Julia R. Greer <i>Assistant Professor of Materials Science</i> Andrew T. Jennings <i>Graduate Student in Materials Science</i>
11:20 - 11:40 AM	Daniil A. Kitchaev	Improving Magnetic Media Storage Capacity Using Phenomena Seen in Magnetic Co/Ni Multilayers	Kathryn Krycka <i>National Institute of Standards and Technology</i>
11:40 AM - 1:00 PM	LUNCH		
1:00 - 1:20 PM	Kyung Ha Lee	Mixed Conducting Electrodes for Solid Oxide Fuel Cells	Sossina M. Haile <i>Professor of Materials Science and Chemical Engineering</i> Yoshihiro Yamazaki <i>Postdoctoral Scholar in Materials Science</i>
1:20 - 1:40 PM	Nicholas E. Scianmarello	Synthesis and Characterization of Proton Conducting Solid Electrolytes: $\text{Cs}_5\text{H}_3(\text{SO}_4)_4$ and $(\text{Cs}_{1-x}\text{Rb}_x)_5\text{H}_3(\text{SO}_4)_4$	Sossina M. Haile <i>Professor of Materials Science and Chemical Engineering</i> Chatr Panithipongwut <i>Graduate Student in Materials Science</i>
1:40 - 2:00 PM	Stephen K. Wilke <i>Robert T. Herzog SURF Fellow</i>	Micro-Engineering of Solid Oxide Fuel Cell Anodes: Fabrication of Metallic Inverse Opal Structures on Ceramic Substrates	Sossina M. Haile <i>Professor of Materials Science and Chemical Engineering</i> Evan C. Brown <i>Graduate Student in Materials Science</i>

2:00 - 2:20 PM	Yutong Chen	A New Method in Determining Unknown Crystal Lattice Using Electron Diffraction	Wenxi Liu <i>Professor of Material Science, Tianjin University</i> William A. Goddard III <i>Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Sarah L. Howell <i>Larson Scholar</i>	Development of FeTi Based Alloys for Improved Hydrogen Absorption and Desorption Characteristics	Brent T. Fultz <i>Professor of Materials Science and Applied Physics</i> Channing C. Ahn <i>Senior Research Associate in Materials Science</i>
2:50 - 3:10 PM	Yi J. Wang	Supercritical Activation of Cu-BTC and MIL-101	Brent T. Fultz <i>Professor of Materials Science and Applied Physics</i> Channing C. Ahn <i>Senior Research Associate in Materials Science</i>