

Materials Science

Session **K**

Room: 104 Watson

1:00 - 1:20 PM	Asher L. Medina <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Development of a Microcontroller-Based System for Molecular Beam Epitaxy	Joseph L. Falson <i>Assistant Professor of Materials Science; William H. Hurt Scholar</i> Veronica Show <i>Graduate Student in Materials Science</i>
1:20 - 1:40 PM	Sesselja Picchietti <i>University of Iceland Caltech-University of Iceland Exchange</i>	Substrate-Induced Nonlinear Hall Effect in 2D Materials	Joseph L. Falson <i>Assistant Professor of Materials Science; William H. Hurt Scholar</i> Yanni Cho <i>Graduate Student in Applied Physics</i>
1:40 - 2:00 PM	Carl J. Crum <i>Eric Lin and YunJu Peng SURF Fellow</i>	Verifying a Continuum Approximation for Architected Materials in Two and Three Dimensions	Julia R. Greer <i>Ruben F. and Donna Mettler Professor of Materials Science, Mechanics, and Medical Engineering</i> Cyrus Fiori <i>Graduate Student in Chemical Engineering</i>
2:00 - 2:20 PM	Alize G. Bakker <i>Class of '52 60th Reunion SURF Fellow</i>	Creating an Optimal Neural Tissue Microenvironment Through Mechanosensing	Julia R. Greer <i>Ruben F. and Donna Mettler Professor of Materials Science, Mechanics, and Medical Engineering</i> Peter Serles <i>Postdoctoral Scholar Fellowship Trainee in Mechanical and Civil Engineering</i>
2:20 - 2:40 PM	Tosten N. Pearson <i>Brown University</i>	3D-architected Electrodes for Zinc-ion Batteries	Julia R. Greer <i>Ruben F. and Donna Mettler Professor of Materials Science, Mechanics, and Medical Engineering</i> Yingjin Wang <i>Graduate Student in Materials Science</i> Kaiyu Zhao <i>Graduate Student in Medical Engineering</i>