

# The George and Dot Bishop Advanced Materials



## Colloquium Series

*Fall 2021*

**August 26, 2021**

111 Lee Hall  
4 - 5 PM

**Materials Science and the Future of Jet Engines**

Wil Baker, Director, ISC & Industrialization  
Honeywell, Phoenix, AZ

**September 2, 2021**

111 Lee Hall  
4 - 5 PM

**Approaches to Producing Cellulose Nanocrystal/Polymer Composites**

Dr. Meisha L. Shofner, Associate Professor, MSE Faculty Fellow, School of Materials Science and Engineering  
Georgia Institute of Technology, Atlanta, GA

**September 23, 2021**

111 Lee Hall  
4 - 5 PM

**3-Dimensional Nanoscale Properties for Photovoltaic and Functional Thin Films**

Dr. Bryan Huey, Department Head, Professor, Materials Science and Engineering  
University of Connecticut, Storrs, CT

**October 28, 2021**

111 Lee Hall  
4 - 5 PM

**Advanced Functional Materials at the Interface of Biological and Sensor Systems**

Dr. Michael A. Daniele, Associate Professor, Departments of Biomedical Engineering and  
Department of Electrical and Computer Engineering  
NC State University, Raleigh, NC and University of North Carolina, Chapel Hill, NC

**November 4, 2021**

111 Lee Hall  
4 - 5 PM

**Robust Collective Locomotion With and Without Coordination**

Dr. Daniel Goldman, Dunn Family Professor, School of Physics  
Georgia Institute of Technology, Atlanta, GA

**November 11, 2021**

111 Lee Hall  
4 - 5 PM

**The Versatility of Chalcogenide Glasses and Glass-Ceramics: Infrared Imaging, Energy Storage, and Beyond**

Dr. James Marro, Scientist  
Schott North America, Duryea, PA

**November 18, 2021**

111 Lee Hall  
4 - 5 PM

**Physiological, Virological, and Clinical Data-Informed Modeling Insights into SARS-CoV-2 Respiratory Tract Infections**

Dr. M. Gregory Forest, Grant Dahlstrom Distinguished Professor Mathematics  
Departments of Biomedical Engineering and Applied Physical Sciences  
University of North Carolina, Chapel Hill, NC

\*Currently planned to be in-person, 111 Lee Hall, 4 – 5 pm.

Any changes to the location will be provided no later than a week prior to the seminar.

presented by



Department of  
**MATERIALS SCIENCE  
AND ENGINEERING**  
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