

Purdue University School of Materials Engineering

7th Annual Soft Materials Summer Research Symposium

Summer 2019 • Tuesdays • 11:00 AM • ARMS 1028

June 11

Real-time Visualization of Failure Behaviors of Single High-Performance Fibers
Jinling Gao

Thermal & Mechanical Performance of Polymer-Metallic Thermal Interface Materials
Hyungyung Jo

June 18

Direct Printing Conductive Layers onto CFRP Substrate by Cold Spray Methodology
Jung-Ting Tsai

Improving Blast Resistance of Sandwich Panels Using Cohesive Zone Reinforcement
Shane Paulson

June 25

Rheometry of a Liquefied Biomass Slurry
Ryan Szeto

Anisotropic Hydrogels by Magnetically Oriented Nanoclay Suspensions
Sung Ho Yook

July 2

NO Meeting – Happy 4th of July Week!

July 9

Thin Film Adhesion Measurement via Buckling Instabilities
Hyeyoung Son

Cellulose Nanocrystals as an Additive for Cement
Anthony Paul Becerril

July 16

Optimizing Rheology of Aqueous Boron Carbide Injection Molding Suspensions
Tess Marconie

July 23

Investigation of Controlled Salt Crystallization in Hydrogel Networks
Jessica Sargent

Crystallization of Polyvinylidene Fluoride into its Polar Phase
Mayank Jain

July 30

Polymer Thin Film Dewetting for Precisely Controlled Patterning
Allison Chau

Development of Roll-to-Roll Sensors for Organophosphorus Pesticide Detection
Ana María Ulloa Gómez
