

SPECIAL TOPIC SYMPOSIUM: NANOMATERIALS AND NANOSTRUCTURES

Friday, 11 April 1:30pm-3:00pm

UNM SUB Room: Fiesta

Session Chairs: Jeff Brinker and Hongyou Fan (Sandia National Laboratories)

1:30 Gin, Douglas (University of Colorado)

NANOSTRUCTURED POLYMERS FOR ENHANCED CATALYSIS AND SEPARATIONS
BASED ON THE POLYMERIZATION OF LYOTROPIC LIQUID CRYSTAL ASSEMBLIES

2:15 Bachand, George D. (Sandia National Laboratories)

BIOMIMETIC SYSTEMS ENGINEERING – DEVELOPING DYNAMIC NANOMATERIALS
AND FLUIDIC DEVICES

3:00 Huang, Jianyu (Sandia National Laboratories)

IN-SITU PLASTIC DEFORMATION OF CARBON NANOTUBES

3:45 Voyer, Normand (Laval University)

SYNTHESIS AND CHARACTERIZATION OF BIO-INSPIRED NANOSTRUCTURES
DESIGNED FOR THERAPEUTIC AND SENSING APPLICATIONS

4:30 Rempe, Susan (Sandia National Laboratories)

ION DISCRIMINATION BY NANOSCALE DESIGN