Ordered Colloidal Coatings by Convective Assembly
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NNIN Facilities utilized: Characterization Facility & Nanofabrication Center

- Objective: Control of Coating Morphology
  - Film Thickness
  - Long-Range Order
  - Defect Density

- Topographically-Patterned Films Observed
  - Film thickness on order of μm
  - Feature separation on order of 100 μm

- Related Publication
  Mechanistic Principles of Colloidal Crystal Growth by Evaporation-Induced Convective Steering. Langmuir 2008 24 (23) 13683–13693