ACS PRF Summer School on Nanoparticle Materials
All Meals except banquet in Eastern Eateries (attached to Walton Hall)
All Lectures in 216 Pray Harold

Sunday, June 6th

6:00 pm - 6:45 pm  Dinner  1- H. Hoffman, Particle Synthesis in Condensed Phases
7:30 pm - 8:30 pm  2- S. Pratsinis, Gas Phase Manufacture of Nanoparticles
8:30 pm - 9:30 pm

Monday, June 7th

8:00 am - 8:30 am  Breakfast  Robert Holkeboer, Dean of Graduate School, Welcome to EMU
9:00 am - 9:05 am  3- A. Stein, 3D Ordered Materials
9:05 am - 10:05 am  4- S. Pratsinis, Reactor Design for Nanopowder Synthesis
10:05 am - 11:05 am  Break
11:05 am - 11:30 am  Lunch
11:30 am - 12:30 pm  First Poster Session (Walton Lounge)
12:30 pm - 1:00 pm  Dinner
2:00 pm - 4:00 pm  6- R. Laine, Liquid Feed Flame Spray Pyrolysis
6:00 pm - 6:45 pm  7- D. Weitz, Colloidal Crystallization: Nucleation & Growth
7:30 pm - 8:30 pm
8:30 pm - 9:30 pm

Tuesday, June 8th

8:00 am - 8:30 am  Breakfast  8- D. Weitz, Colloidal Gels & Glasses
9:00 am - 10:00 am  9- D. Norris, Photon Band Gaps in Colloidal Crystals
10:00 am - 11:00 am  Break
11:00 am - 11:30 am  Lunch
11:30 am - 12:30 pm  10- P. Braun, Templating Nanoparticles with Self-Assembled Matrices
12:30 pm - 1:00 pm  First Workshop Session—Nanoparticles & Nanotechnology in Undergraduate Curriculum—Tower Room in McKenny Union
2:00 pm - 4:00 pm  Dinner
6:00 pm - 6:45 pm  11- F. Stellacci, Metal Nanoparticle Synthesis & Stabilization
7:30 pm - 8:30 pm  12- D. Norris, Mechanisms of Colloidal Crystallization
8:30 pm - 9:30 pm

Wednesday, June 9th

8:00 am - 8:30 am  Breakfast  13- S. Asher, Colloidal Crystalline Arrays
9:00 am - 10:00 am  14- O. Velev, Fabrication of micro/nano coatings by Convection Assembly
10:00 am - 11:00 am
11:00 am – 11:30 am    Break
11:30 am – 12:30 pm    15- D. Norris, Biological Imaging with Semiconductor Nanoparticles
12:30 pm – 1:00 pm     Lunch
6:00 pm – 6:45 pm      Dinner
7:30 pm – 8:30 pm      16- F. Stellacci, Quantum Dot Synthesis & Stabilization
8:30 pm – 9:30 pm      17- P. Braun, Photonic Crystal-Based Optical Devices

Thursday, June 10th

8:00 am – 8:30 am    Breakfast
9:00 am – 10:00 am    18- Y. Xia, Synthesis & Crystallization of Spherical Colloids
10:00 am – 11:00 am   19- S. Asher, Colloidal Crystalline Arrays - Sensors
11:00 am – 11:30 am   Break
11:30 am – 12:30 pm   20- O. Velev, Oh-chip Droplet-based Assembly of Particles
12:30 pm – 1:00 pm    Lunch
2:00 pm – 4:00 pm     First Workshop Session—Frontiers of Nanoparticle Science and
6:00 pm – 6:45 pm     Nanoparticle Materials—Tower Room, McKenny Union
7:30 pm – 8:30 pm     Dinner
8:30 pm – 9:30 pm     21- Y. Xia, Shape-controlled Synthesis of Nanostructures
                        22- I. Morrison, Particle-based Display Technologies

Friday, June 11th

8:00 am – 8:30 am    Breakfast
9:00 am – 10:00 am    23- S. Asher, Use of Complex Multifunctional Particles for
10:00 am – 11:00 am   Sophisticated Photonic Crystals
11:00 am – 11:30 am   24- Y. Xia, Self-Assembly: Principles & Demo. on Various Scales
11:30 am – 12:30 pm   Break
12:30 pm – 1:00 pm    25- H. Schmidt, Nanoparticle Product Development for the Academic
                        Entrepreneur
                        Lunch

Saturday, June 12th

Excursion to Henry Ford Museum

Sunday, June 13th

6:00 pm – 6:45 pm    Dinner
7:30 pm – 8:30 pm    26- N. Pinna, Nanoparticle Synthesis in Reverse Micelles
8:30 pm – 9:30 pm    27- E. Matijevic, Formation Mechanisms & Applications of Fine
                        Particles
Monday, June 14th

8:00 am – 8:30 am  
9:00 am – 10:00 am  
10:00 am – 11:00 am  
11:00 am – 11:30 am  
11:30 am – 12:30 pm  
12:30 pm – 1:00 pm  
2:00 pm – 4:00 pm  
6:00 pm – 6:45 pm  
7:30 pm – 8:30 pm  
8:30 pm – 9:30 pm  

Breakfast  
28- D. Pine, Nanocomposite Particles  
29- E. Matijevic, Formation Mechanisms & Applications of Fine Particles—Part 2  

Break  
30- P. Wiltzius, Pattern-Driven Particle Assembly  

Lunch  
Second Poster Session – Walton Lounge  

Dinner  
31- M. Niederberger, Nonaqueous Routes to Metal Oxide Nanoparticles  
32- D. Pine, Emulsion Templating  

Tuesday, June 15th

8:00 am – 8:30 am  
9:00 am – 10:00 am  
10:00 am – 11:00 am  
11:00 am – 11:30 am  
11:30 am – 12:30 pm  
12:30 pm – 1:00 pm  
2:00 pm – 4:00 pm  
6:00 pm – 6:45 pm  
7:30 pm – 8:30 pm  
8:30 pm – 9:30 pm  

Breakfast  
33- S. Banerjee, Two-Dimensional Particle Arrays & Applications  
34- R.C. Advinicula, Surface Initiated Polymerization on Nanoparticles  

Break  
35- E. Matijevic, What Makes Particles Stick to Surfaces & Come Off?  

Lunch  
Final Workshop Session—Nanoparticles & Nanotechnology in the Undergraduate Curriculum  

Dinner  
36- R.C. Advinicula, Nanoparticles from Polyelectrolytes  
37- H. Coelfen, Analytical Ultracentrifugation of Nanoparticles  

Wednesday, June 16th

8:00 am – 8:30 am  
9:00 am – 10:00 am  
10:00 am – 11:00 am  
11:00 am – 11:30 am  
11:30 am – 12:30 pm  
12:30 pm – 1:00 pm  
6:00 pm – 6:45 pm  
7:30 pm – 8:30 pm  
8:30 pm – 9:30 pm  

Breakfast  
38- N. Pinna, Structural Characterization of Nanoparticles  
39- E. Kaler, Microemulsion Polymerization  

Break  
40- A. Lyon, Smart Nanoparticles  

Lunch  

Dinner  
41- E. Kaler, SANS Analysis of Particle Structure  
42- A. Yodh, Entropy Driven Particle Assembly (I)
Thursday, June 17th

8:00 am – 8:30 am  Breakfast
9:00 am – 10:00 am  43- A. Yodh, Entropy Driven Particle Assembly (II)
10:00 am – 11:00 am  44- M. Niederberger, Controlled Assembly of Nanoparticles into Anisotropic Nanostructures
11:00 am – 11:30 am  Break
11:30 am – 12:30 pm  45- N. Kotov, Nanoscale Devices - Requirements for Organization at the Nanoscale
12:30 pm – 1:00 pm  Lunch
2:00 pm – 4:00 pm  Final Workshop Session—Frontiers of Nanoparticle Science & Nanoparticle Materials – Main Lounge, McKenny Union
5:45 pm – 6:45 pm  Banquet - Guild Hall, McKenny Union
7:30 pm – 8:30 pm  46- A. Lyons, Thermoreversible Approaches to Activating Crystallization
8:30 pm – 9:30 pm  47- M. Srinivasarao, Color in Particles & Particles Arrays

Friday, June 18th

8:00 am – 8:30 am  Breakfast
9:00 am – 10:00 am  48- H. Coelfen, Biomineralization, Biomimetic and Non-classified Classical Crystallization
10:00 am – 11:00 am  49- J. Texter, Overview of Nanoparticle Materials—Appraisals & Workshop Report
11:15 am – 12:00 pm  Lunch
12:15 pm  Buses to Airport