

2018 UC Mesoscale Materials Summer School

August 9-10, 2018
University of California, Irvine
<http://sites.uci.edu/mesoscale/>

Thursday, August 9

7:45 am	Shuttle Departs from Atrium Hotel
8:00 am - 8:35 am	Registration and Coffee, Calit2 Atrium
8:35 am - 8:40 am	Matt Law (UC Irvine) Welcome and Opening Remarks
8:40 am - 9:25 am	Sarah Tolbert (UC Los Angeles) Keynote Seminar: "Next Generation Nanostructured Materials and Devices from Solution Phase Self-Assembly"
9:25 am - 10:10 am	Galen Stucky (UC Santa Barbara) "Nano to Macroscale Assembly of Structure and Properties in Composite Systems"
10:10 am - 10:30 am	Break & Discussions, Calit2 Atrium
10:30 am - 11:15 am	Alexander Balandin (UC Riverside) "Unique Thermal Properties of Graphene: Applications in Thermal Interface Materials"
11:15 am - 12:00 pm	Alex Weber-Bargioni (Lawrence Berkeley National Laboratory) "Mapping Exciton Diffusion through Nano Building Block Assemblies"
12:00 pm - 1:15 pm	Lunch, Calit2 Atrium
1:15 pm - 2:00 pm	Robert Corn (UC Irvine) "Mesoscale Optical Materials: Electrodeposited Nanocones/Nanoring Arrays and Single Composite Polymeric Nanoparticles"
2:00 pm - 3:30 pm	Scott Rychnovsky (Associate Editor of <i>The Journal of Organic Chemistry</i>) "How to Prepare a Manuscript" Reginald Penner (Associate Editor of <i>ACS Nano</i>) "Navigating the Peer Review Process"
3:30 pm - 3:50 pm	Break & Discussions, Calit2 Atrium
3:50 pm - 5:30 pm	<i>Scientific Short Course 1</i> Adam Moulé (UC Davis) "Principles and Practice of Electron Tomography"
5:30 pm - 7:30 pm	Dinner, Calit2 Patio and Atrium (Soho Taco) Tour of the IMRI Center for Transmission Electron Microscopy
7:45 pm	Shuttle Returns to Atrium Hotel

Friday, August 10

7:45 am	Shuttle Departs from Atrium Hotel
8:00 am - 8:20 am	Arrival and Coffee, Calit2 Atrium
8:20 am - 10:00 am	<i>Scientific Short Course 2</i> Andreas Keilbach (Anton Paar) “Principles and Practice of Grazing Incidence Small-Angle X-ray Scattering”
10:00 am - 10:30 am	Break, Discussions & Group Photograph
10:30 am - 11:15 am	Mike Toney (Stanford Synchrotron Radiation Lightsource) “Characterization of Mesoporous Materials with X-ray and Neutron Techniques”
11:15 am - 12:00 pm	Paul Weiss (UC Los Angeles) “Growing (Up) from the Nanoscale to the Mesoscale”
12:00 pm - 1:15 pm	Lunch, Calit2 Atrium
1:15 pm - 2:00 pm	Joe Patterson (UC Irvine) “An Introduction to Liquid Phase Electron Microscopy”
2:00 pm - 3:15 pm	Bri McWhorter (Founder of <i>Activate to Captivate</i>) “Presentation Skills”
3:15 pm - 3:35 pm	Break & Discussions, Calit2 Atrium
3:35 pm - 4:20 pm	Robert Rudd (Lawrence Livermore National Laboratory) “Synthesis and Modeling of Mesoscale Materials at LLNL”
4:20 pm - 6:00 pm	<i>Scientific Short Course 3</i> Toshi Aoki (UC Irvine) “Aberration-Corrected Scanning Transmission Electron Microscopy”
6:00 pm	Closing Remarks and Adjourn
6:15 pm	Shuttle Returns to Atrium Hotel

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