

American Carbon Society Graphene Workshop

Tue, Nov 14, 2017, 8:30 AM – Wed, Nov 15, 2017, 2:30 PM EST

11038 Bellflower Rd, Ball Room C, Cleveland, OH 44106

Tuesday, 14 November 2017, Tinkham Veale University Center, Cleveland, OH

Time - 14 Nov	Topic	Speaker
8:30-9:00	Check in at Ball Room C, Tinkham Veale Center	Morning Session Chair: Weiming Lu
9:00-9:10	Welcome and Introduction	Liming Dai/Weiming Lu
9:10-10:00 (Tutorial/Keynote talk)	Low-dimensional carbon, theory of growth: nanotubes, graphene, carbyne	Boris I. Yakobson (Rice University)
10:00-10:50 (Tutorial/Keynote talk)	Engineering of Graphene Defects and Heterostructure	Ajit Roy (AFRL)
10:50-11:10	Break	
11:10-12:00 (Tutorial/Keynote talk)	Flexible, Printable, and High-Temperature Lithium Ion Batteries	Michael Durstock (AFRL)
12:00-13:30	Lunch	Afternoon Session Chair: Liming Dai
13:30-14:00 (Invited Talk)	Modeling Mixed van der Waals Heterostructures Containing Graphene and Fullerenes	Alper Buldum (University of Akron)
14:00-14:30 (Invited Talk)	Graphene Coated C-MEMS for Miniaturized Energy Storage Applications	Chunlei Wang (Florida International University)
14:30-15:00 (Invited Talk)	Informing rational design of graphene oxide through surface chemistry manipulations: properties governing electrochemical and biological activities	Yan Wang (University of Pittsburgh)

15:00-15:30 (Invited Talk)	Adhesion and Self-cleaning of Gecko-Bioinspired Micromanipulators with Graphene Tips	Yiyang Wan (University of North Texas)
15:30-15:50	Break	
15:50-16:40 (Tutorial/Keynote talk)	Holey Graphene and Scalable Nanomanufacturing	Yi Lin (National Institute of Aerospace)
16:40-17:30 (Tutorial/Keynote talk)	2D Carbides of Transition Metals and Their Hybrids with Graphene	Yury Gogotsi (Drexel University)

Wednesday, 15 November 2017, Tinkham Veale University Center, Cleveland, OH

Time - 15 Nov	Topic	Speaker
8:30-9:00	Check in at Ball Room C, Tinkham Veale Center	Morning Session Chair: Weiming Lu
9:00-9:50 (Tutorial/Keynote talk)	Graphene Synthesis, Characterization, Scale-up and Commercialization	James Tour (Rice University)
9:50-10:40 (Tutorial/Keynote talk)	Graphene-based metal-free catalysts for energy conversion and storage	Liming Dai (Case Western Reserve University)
10:40-11:00	Break	
11:00-11:30 (Invited Talk)	An experimental guide to characterization of Graphene using various microscopy techniques: SEM-AFM-XPS-TofSIMS	Kevin Abbasi (Case Western Reserve University)
11:30-12:00 (Invited Talk)	Design and Fabrication of Well-organized Carbon Nanomaterials for Energy Applications	Yu Zhu (University of Akron)
12:00-12:50 (Tutorial/Keynote talk)	Graphene for Energy Storage: Making Devices Smaller	Quanhong Yang (Tianjing University)
12:50-13:00	Break/Adjourn	
13:00-14:30	Lunch	