

Workshop Program

This year's workshop format is slightly different from last year's BAT workshop. The sessions are sequential and this workshop does not have any concurrent breakout sessions. As you will see below, the workshop format differs slightly between the three days. The following explains the workshop format and the roles of the speakers and moderators.

Day One: Wednesday 21 January 2004

Defining Science Needs

(M/Cs: Ahmad Soueid and Dr. Allan Chasey)

Date/Time	Topic	Speakers
10:00 am- noon	Registration	
11:00 am - noon	Welcome Lunch	Buffet style lunch provided
	Workshop Introduction	Dr. Greg Raupp , <i>Vice President, Office of Research and Economic Affairs, Arizona State University</i>
12:15 – 1:00 pm	Keynote Speaker: Overview of the National Nanotechnology Initiative, Nanotechnology Research Directions.	Dr. E. Clayton Teague , <i>Director National Nanotechnology Coordination Office</i>
	Day 1 - Introduction	Dr. Peter Crouch , <i>Dean, Ira A. Fulton School of Engineering, Arizona State University</i>
1:00 – 2:00 pm	Brookhaven National Laboratory, Center for Functional Nanomaterials	Dr. Robert Hwang , <i>Director of Center for Functional Nanomaterials, Brookhaven National Lab</i>
2:00 – 3:00 pm	Sandia National Laboratories, Center for Integrated Nanotechnologies (CINT), A New Model for a Nanoscience Research User Facility	Dr. Neal D. Shinn , <i>Manager of the Surface and Interface Science Department, Sandia National Laboratories</i>
	Break	Refreshments, <i>sponsored by Mc Carthy and ASU Technopolis</i>
3:15 – 4:15 pm	Research Facilities To Serve The Needs Of 21st Century Biology: A Nexus Of Disciplines, Technologies and Discoveries.	Dr. Michael Knotek , <i>Consultant, Knotek Consulting</i>
4:15 – 5:15 pm	Interdisciplinary Innovation At The Nano-Scale And Its Impact On Laboratory Construction	Dr. Frederic Zenhausern , <i>Arizona State University</i>
5: 15 – 6:45 pm	Reception	Networking Reception, Hors D'oeuvres provided and cash bar available, <i>sponsored by HDR Architecture, Inc. and CREATE</i>

Day Two: Thursday 22 January 2004

Outlining Trends / Developing Solutions

(M/C: Ahmad Soueid)

Date/Time	Topic	Speakers
7:30 – 8:00 am	Breakfast	Continental breakfast provided, sponsored by Mc Carthy and M+W Zander
8:00 – 8:15 am	Day 2 - Introduction	Ahmad Soueid , Principal / Senior Vice President HDR Architecture, Inc.
8:15 – 9:00 am	Analytical Instrumentation Facility Requirements For Nanotechnology	Dr. Tom Isabell , Assistant TEM Product Manager, JEOL USA, Inc.
9:00 - 10:15 am	Architectural Trends, Solutions, and Sustainable Design	Tom Gerbo , Vice President, HDR Architecture, Inc. Ken Filar , Senior Architect, M+W Zander David Gibney , Sustainable Design Coordinator, HDR Architecture, Inc.
	Ahmad Soueid, Moderator	
	Break	Refreshments, sponsored by Colin Gordon & Associates
10:30 - 11:45 am	Mechanical, Process Engineering Solutions	Norm Toussaint , Senior Mechanical Engineer, HDR Architecture, Inc. Chris Case , Project Manager, Affiliated Engineers, Inc. William Acorn , Principal and Founder, Acorn Consulting Services
	Steve Riojas, Moderator	
11:45 – 1:00 pm	Lunch	Buffet meal, sponsored by HDR Architecture, Inc. and CREATE
1:00 - 2:00 pm	Electrical, EMI, Grounding	Dave Bechtol , Electrical Section Manager, HDR Architecture, Inc. Lou Vitale , President and Chief Engineer, Vitatech Engineering, LLC.
	Dr. David Janes, Moderator	
2:00 - 3:00 pm	Mechanical Systems Noise Issues -- Case Studies	Hal Amick , VP, Technology Development, Colin Gordon and Associates Amir Yazdaniyaz , Principle Acoustics Consultant, Arup Acoustics
	Steve Westfall, Moderator	
	Break	Refreshments, sponsored by Colin Gordon & Associates and Abbie Gregg, Inc.
3:15 - 5:00 pm	Meeting user requirements Case Studies (Round Table)	Dr. David Janes , Associate Professor of Electrical and Computer Engineering, Purdue University Phil Haswell , Director of Facilities, University of Alberta, Canada Jack Stellern , Senior Project Manager, Oak Ridge National Laboratory
	Tom Gerbo, Moderator	

Day Three: Friday 23 January 2004

Protecting the Investment

(M/C: Dr. Allan Chasey)

Date/Time	Topic	Speakers
7:30 – 8:00 am	Breakfast	Continental breakfast provided
	Day 3 - Introduction	Dr. William Badger , <i>Director, Del E. Webb School of Construction, Arizona State University</i>
8:00 – 9:15 am	Scope Development, Programming, Cost, Cost Control, Project Control	Abbie Gregg , <i>AGI</i> Greg Parker , <i>Currie and Brown</i>
	Break	Refreshments, <i>sponsored by Abbie Gregg, Inc. and M+W Zander</i>
9:30 – 10:15	Project Management (contract delivery, commissioning, quality, expertise)	Robert Harper , <i>Gilbane Building Company</i> Michael Christeson , <i>Gilbane Building Company</i>
10:15 – 11:00	ASU AZ Bio Design Facility	Brett Dominguez <i>DPR</i> Brett Helm <i>DPR</i> Terry Abair , <i>Sundt Construction, Inc.</i>
11:30 – noon	Wrap Up	
1:00 – 4:45 pm	Golf Event at Kokopelli Course	Extra Cost – Not included in Program fee