

NSF Workshop on Frontiers of Additive Manufacturing Research and Education

July 11-12, 2013, Arlington, VA
Tentative workshop agenda (Ver. D)

Time		Event	
		Three 50-min presentations in each theme session; each presentation is a 40-min talk, followed by a 10 min Q&A session	
Day 1 (July 11)	Morning	8:00 - 8:30 am	Introduction and opening remarks Yong Huang (Univ. of Florida), Steve McKnight (NSF), Ming Leu (Missouri Univ. of Science & Tech.)
		8:30 – 9:20 am	Joseph J. Beaman (Univ. of Texas, Austin): 3D Printing, Additive Manufacturing, and Solid Freeform Fabrication: The Technologies and Applications of the Past, Present and Future
		9:20 – 10:10 am	Ryan Wicker (Univ. of Texas, El Paso): Printing Multi-Functionality with Multi-Technology Additive Manufacturing
		10:10 – 10:30 am	Coffee break
		10:30 – 11:20 am	Neil Gershenfeld (MIT): From Additive vs Subtractive to Digital vs Analog
		11:20 am – 12:05 pm	Plenary discussion – Jyoti Mazumder (Univ. of Michigan) (45 min)
	Lunch	12:05 – 1:20 pm	Lunch (75 min)
	Afternoon	1:20 – 2:10 pm	Jennifer A. Lewis (Harvard): Printing Functional Materials
		2:10 – 3:00 pm	Jean-Pierre Kruth (Catholic University of Leuven): Materials and Processing Issues in Powder Fusion Additive Manufacturing
		3:00 – 3:20 pm	Coffee break
		3:20 – 4:10 pm	Wei Sun (Drexel University): Bio-3D Printing
		4:10 – 5:00 pm	Ryan Dehoff (Oak Ridge National Lab): Thinking Beyond Today: Comprehending the Potential of Additive Manufacturing Processes, Materials and Properties
		5:00 – 5:45 pm	Plenary discussion – Alkan Donmez (NIST) (45 min)
Day 2 (July 12)	Morning	8:00 - 8:05 am	Introduction / announcements
		8:05 – 8:55 am	Edward Morris (NCDMM/NAMII): National Additive Manufacturing Innovation Institute (NAMII) Overview
		8:55 – 9:45 am	Bryan G. Dods (GE Power & Water): Factoring the Impact of Additive Manufacturing
		9:45 – 10:05 am	Coffee break
		10:05 – 10:55 am	Ken Church (Sciperio): Additive Manufacturing: The Next Frontier for Research, Business and Opportunity
		10:55 – 11:40 am	Plenary discussion – Ming Leu (Missouri Univ. of Science & Tech.) (45 min)
	Lunch	11:40 am – 12:55 pm	Lunch (75 min)
		12:55 – 1:45 pm	Darrell Wallace (Youngstown State Univ./NAMII): Anticipating the Broad Implications of Additive Manufacturing on Workforce Development and Education
		1:45 – 2:35 pm	Osama O. Awadelkarim (Penn State Univ.): A University-Community College Partnership Model for Meaningful Advanced Manufacturing Workforce Education
		2:35 – 3:25 pm	Marc Madou (Univ. of California at Irvine): Re-engineering Engineering Education: Why and How!
3:25 – 4:10 pm		Plenary discussion – Yong Huang (Univ. of Florida) (45 min)	
	4:10 – 4:20 pm	Closing remarks – Yong Huang and Ming Leu	