

Laser Direct Deposition Workshop

Center for Laser-based Manufacturing

Location: Fu room, Potter Building, Purdue University

West Lafayette, Indiana

Agenda

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Thursday, Nov. 10, 2011

Start Time	Topic (Location)	Presenter	Organization
8:30 am	Introduction	Prof. Yung C. Shin	Purdue University
8:45 am	Welcoming remarks	Dr. Melba Crawford, associate dean for research	Purdue University
9:00 am	GE needs and applications	Dr. Todd Rockstroh	GE Aviation
9:30 am	Air Force needs and applications	Mr. Howard W. Sizek	Air Force Research Laboratory
10:00 am	Caterpillar needs and applications	Mr. M. Brad Beardsley	Caterpillar
10:30 am	Coffee Break		
11:00 am	Capabilities and applications of LENS system	Dr. Richard Grylls	Optomec
11:30 am	Laser-based remanufacturing	J. Michael Wilson	Purdue University
12:00 pm	Lunch		
1:15 pm	Predictive modeling of laser direct deposition	Shaoyi Wen	Purdue University
1:45 pm	Microstructure prediction during laser direct deposition	Wenda Tan	Purdue University
2:15 pm	Direct synthesis of metal matrix composites	Jeongwoo Lee	Purdue University
2:40 pm	Break		
3:00 pm	Direct synthesis of shape memory alloy and biomedical coatings	Pratik Halani	Purdue University
3:30 pm	Vision based clad monitoring system	Nathan Toner	Purdue University
3:40 pm	Open discussion (Q&A)	Speakers	
4:15 pm	Adjourn (Optional Lab Tour)	Prof. Yung C. Shin	