

Industrial Advisory Board

Center for Laser-based Manufacturing

Location: ME2180, ME Building, Purdue University

West Lafayette, Indiana

Agenda

Contact: Yung C. Shin, 765-494-9775 shin@purdue.edu

Friday, Nov. 11, 2011

Start Time	Topic (Location)	Presenter	Organization
8:30 am	Welcoming remarks and introduction of people	Yung C. Shin	Purdue University
9:00 am	Overview of Center activities	Yung Shin	Purdue University
9:15 am	Laser assisted machining of difficult to machine metals	Hongtao Ding	Purdue University
9:35 am	Laser assisted machining of ceramics	Daniel Stanton	Purdue University
9:45 am	Laser welding: process modeling	Wenda Tan	Purdue University
10:10 am	Laser hardening: comprehensive modeling with residual stresses	Neil Bailey	Purdue University
10:30 am	Break		Purdue University
10:45 am	Laser shock peening: parametric study and grain refinement	Yunfeng Cao/Hongtao Ding	Purdue University
11:05 am	Thin film solar cell scribing	Seunghyun Lee	Purdue University
11:15 pm	Room Temperature Pulsed Laser Crystallization of Thin Film Solar Cell Nanoparticles	Martin Zhang	Purdue University
11:35 am	Micromachining using picosecond laser	Wenqian Hu	Purdue University
11:50 am	Machining of glass with a femtosecond laser	Xin Zhao	Purdue University
12:00 am	Lunch		
1:30 pm	Laser-assisted micromaching	Hongtao Ding	Purdue University
1:50 pm	Ultrafast laser induced plasmas: modeling and measurement	Wenqian Hu	Purdue University
2:10 pm	Laser dynamic forming of functional materials laminated composites on patterned 3D surfaces	Gary Cheng	Purdue University
2:30 pm	Laser direct deposition review	Yung Shin	Purdue University
2:45 pm	Break		
3:00 pm	Open discussion		
4:15 pm	Adjourn (Optional Lab Tour)		