

Metamaterial FY12 MURI Kick-off

Dr. Harold Weinstock | September 10-12, 2012 | Arlington, VA

Holiday Inn Arlington
4610 Fairfax Drive | Arlington, VA 22203
September 10, 2012

Time	Topic	Speaker
FY12 MURI Topic #9: Template-Directed Directionally Solidified Eutectic Metamaterials PI Paul Braun, UIUC		
12:00-12:55	Registration	
12:55-13:00	Welcome – FY2012 AFOSR MURI Topic #9	Ali Sayir AFOSR
OVERVIEWS:		
13:00-13:30	Introductions and MURI Overview	Paul Braun UIUC
13:30-13:55	Thrust 1 Overview: Directionally Solidified Eutectics with Tailored Nanostructures	Lane Martin UIUC
13:55-14:20	Thrust 2 Overview 3D Template-Directed Eutectic Solidification	Jennifer Lewis UIUC
14:20-14:45	Thrust 3 Overview Characterization, Optical Modeling and Computational Design	Shanhui Fan Stanford University
14:45-15:15	BREAK	
FOCUS AREAS:		
15:15-15:35	Eutectic Allo	Easo George University of Tennessee
15:35-15:55	Modeling Microstructure Development During Solidification	Katsuyo Thornton University of Michigan
15:55-16:15	3D Structure Development During Solidification	John Halloran University of Michigan
INTERNATIONAL CONTRIBUTIONS:		
16:15-16:35	Local Investigation of Directionally Solidified Eutectics	Marie-Helene Berger Ecole des Mines, FRANCE
16:35-16:55	Eutectic and Nanoparticle Composites for Plasmonics and Metamaterials	Dorota Pawlak ITME-POLAND
16:55-17:15	Directionally Grown Al-Al ₃ Ni Eutectics with Tunable Optical Properties	Ayse Berkdemir U. Erciyes-TURKEY
17:15-18:00	Wrap-Up and Discussion	
1800	MEETING ADJOURNED	