

# Session 7

Luna Innovations, Inc. NO SHOW

Phase II

P1: Guoqing (Paul) Shen - "Laser Vibrometer PFC Health Monitoring System"  
(unable to attend)

Materials and Systems Research, Inc.

Phase-I

P2: Joon-Ho Kho "Advanced Method of Joining RAFM/ODS Steels for Fusion Reactors"

Mesocoat, Inc.

Phase-I

P3: Evelina Vogli – "Fused Cu-based coatings for plasma facing components in fusion reactors"

Nanohmics, Inc. NO SHOW

Phase I STTR

P4: Tim Raines – "Laser Cladding Modeling and Operation Applied to Plasma Facing Components"  
(may send student collaborator)

Plasma Processes, Inc.

Phase I

P5: Scott O'Dell - "Tungsten Coatings for ICRF Antenna Materials"

Phase II

P6: Scott O'Dell - "Electrochemically Formed Tungsten and Tungsten Alloy Heat Sinks"

Questek Innovations LLC

Phase I

P7: Art Counts – "Computational Design of Tungsten Alloys with Improved Ductility and Fracture Toughness"

TPL Inc.

Phase I

P8: Doug Taylor – “Explosive Bonding of Plasma Facing Components”

Ultramet, Inc.

Phase I

P9: Jim Selin – "Robust Cellular Solid Breeder Material for Enhanced Tritium Production"

P10: Jim Selin – "Textured Tungsten Armor Coating for Fusion Energy Applications"

Phase II

P11: Jim Selin – "Innovative Surfaces for Controlled Flow of Molten Lithium"

P12: Jim Selin – "Optimization and Simulated Testing of Flow Channel Inserts for Dual-Coolant ITER Test Blanket Modules"

Thank you students

P13: Matthew Lucia – *“Testing of lithium-filled dendritic surfaces for PFCs in LTX”*

P14: Dennis Boyle – *“Varying the pre-discharge lithium wall coatings to alter the characteristics of the ELM-free H-mode pedestal in NSTX”*

P15: John Rhoads – *“Experimental apparatus for investigating thermal transport in freesurface, MHD flow”*

P16: Angela Capece – *“Uptake and Retention of Residual Vacuum Gases in Lithium and Lithium Films”*