

Agenda

Advanced Methods for Manufacturing Workshop

September 29, 2015

Lockheed Martin

2021 Crystal Drive

Arlington, Virginia

8:30 Safety, Security and Housekeeping Dr. Scott Anderson

8:45 – 10:45 2012 Projects, 30 minutes with questions

Lockheed Martin – Direct manufacturing of Nuclear Power components

EPRI – Innovative Manufacturing Process for Nuclear power Plant Components

Purdue – Modular Connection Technologies for SC Walls

INL – Monitoring and Control of Hybrid Laser-GMAW Process

10:45 – 11:00 Break

11:00 – 12:00 2013 Projects, 30 minutes with questions

Georgia Tech – Consolidating Concrete Construction for Modular Units

U of Houston – High Performance Concrete and Advanced Manufacturing Methods for Modular Construction

12:00 – 1:00 Lunch

1:00 – 2:00 2014 Projects, 20 minutes with questions

ORNL – Improving Weld Productivity and Quality

Purdue – Improve Design Codes to account for Accident Thermal Effects on Seismic Performance

U of Houston – Periodic Material based Seismic Isolators for SMR's

2:00 – 3:00 2015 Projects...Brief Introductions, 15 minutes with questions

INL – Advanced On-site Fabrication of Continuous Large Scale structures

Texas A&M – Advanced Surface Plasma Nitriding for development of corrosion resistant and accident tolerant fuel cladding

GE Global Research – Environmental Cracking and Irradiation Resistant Stainless Steel by Additive Manufacturing

U of Notre Dame – Prefabricated High Strength Rebar Systems with High Performance Concrete for Accelerated Construction of Nuclear Concrete Structures

3:00 – 4:20 SBIR Projects

TetraVue – High Speed 3D Data for Configuration Management

Voxel Inc. – Geo-Referenced, UAV based 3D Surveying System for Precision Construction

Mercorp – Alternate Additive manufacturing to Produce and /or Join Nuclear Quality components

Radiabeam – Development of Nuclear Quality Components Using Metal Additive manufacturing

4:20 – 5:00 Comments, Wrap-Up and Close