

AMM Workshop Agenda

October 17 and 18

DOE Offices 19901 Germantown Rd.

Germantown, MD

October 17, 2016

12:30 Introduction to facilities and safety

12:35 DOE Overview of NEET AMM Program Alison Hahn

12:50 Introduction of Bruce Landry Jack Lance

1:00 DOE Advanced Manufacturing Project, Directed Research David Gandy

Summary of Completed Projects

1:45 High Speed 3-D Data gathering Paul Banks

2:30 Break

2:45 Self Consolidating Concrete, Cold Joints T. Russell Gentry

3:30 Advanced Manufacturing, HIP/PM David Gandy

Ongoing Project Briefs

4:15 Evaluating Weld Quality Jian Chen

4:35 Periodic Materials for Seismic Foundations Yi-Lung Mo

5:00 Adjourn

October 18, 2016

8:30 Modular Connection Technology Amit Varma

9:15 Design for Accidental Thermal Loads Amit Varma

9:35 Evaluation of Environmental Cracking in AdM components Xiaoyuan Lou

9:55 Break

10:05 High Strength Rebar Yahya Kurama

10:25 Advanced On-site Fabrication Corrie Nichols

10:45 Advanced Surface Nitriding Robert Balerio

11:05 Additive Manufacturing using Electron Beam Jorge Mirales

11:25 US Nuclear Infrastructure Council Review Vince Gilbert

11:45 Break for Lunch (on your own)

New Project Briefs

1:00 Surface Cladding using Friction Stir Welding Zhili Feng

1:20 Rapid Qualification of Advanced manufacturing Technologies David Gandy

1:40 Enhancing Radiation Tolerance via Nano Structuring Haiming Wen

2:00 Advanced manufacturing Project Jeffrey King

Closure

2:20 Final Q&A and Summary Landrey, Lance

3:00 Adjourn