



CFSP Technical Workshop and Annual IAB Fall Meeting

Dates: November 9-11, 2010

The Lodge at Deadwood
Deadwood, SD

Tuesday, 9 Nov 2010 CFSP I/UCRC TECHNICAL WORKSHOP

- 7:00- 8:00 **Registrations & Continental Breakfast**
- 8:00- 8:15 **Welcome and Introduction of Participants (Sorensen)**
- 8:15- 9:15 **University of South Carolina Technical Presentation (Reynolds)**
Program Overview
Recent status of each active project
Technical presentation on FSW for member benefit
- 9:15- 9:45 **Break**
- 9:45- 10:45 **Missouri University of Science and Technology Technical Presentation (Mishra)**
Program Overview
Recent status of each active project
Technical presentation on FSW for member benefit
- 10:45- 11:15 **Break**
- 11:15 – 12:15 **Wichita State University Technical Presentation (Burford)**
Program Overview
Recent status of each active project
Technical presentation on FSW for member benefit
- 12:15 – 1:15 **Lunch**
- 1:15 2:15 **South Dakota School of Mines and Technology Technical Presentation (West)**
Program Overview
Recent status of each active project
Technical presentation on FSW for member benefit
- 2:15- 2:45 **Break**
- 2:45- 3:45 **Brigham Young University Technical Presentation (Nelson)**
Program Overview
Recent status of each active project
Technical presentation on FSW for member benefit
- 3:45- 4:00 **Break**
- 4:00 - 4:45 **Working session – barriers to implementation**



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Wednesday, 10 November 2010 CFSP I/UCRC SPRING MEETING

- 7:45 - 8:00** **Registrations**
- 8:00 - 8:10** **Welcome/Introductions (Sorensen)**
- 8:10 - 8:30** **NSF Commentary -- Dr. Rathindra (Babu) DasGupta (NSF) and Dr. Ron Beck (Center Evaluator)**
- 8:40- 9:00** **State-of-the-Center (Sorensen)**
- 9:00- 10:30** **Review and Life Forms for Proposed Projects**
- 9:00- 9:15 CFSP10-BYU-01(P): Understanding the hard zone in FSW of HSLA steels
- 9:15- 9:30 CFSP10-BYU-02(P): Control aspects of FSW in thick-section copper
- 9:30- 9:45 CFSP10-BYU-03(P): Friction Stir Weldability index for HSLA steels
- 9:45- 10:00 CFSP10-MST-02(P): Friction stir welding of Al-Li alloys
- 10:00- 10:15 CFSP10-XXX-YY(P):
- 10:15- 10:30 CFSP10-XXX-YY(P):
- 10:30- 11:00** **Break and Poster Session**
- 11:00- 12:00** **Review and Life Forms for Continuing Projects**
- 11:00- 11:10 CFSP04-USC-01: Thermal management in aluminum alloy FSW
- 11:10- 11:20 CFSP04-USC-02: Improved weldability of titanium alloys
- 11:20- 11:30 CFSP05-UMR-01: Friction Stir Microstructural Modification
- 11:30- 11:40 CFSP07-BYU-02: Expanding Capabilities in FSW of HSLA Steels
- 11:40- 11:50 CFSP07-AMP-04: Distortion Control in Stiffened Structures
- 11:50- 12:00 CFSP07-BYU-02: FSW Higher strength HSLA steels
- 12:00- 1:00** **Lunch**
- 1:00- 3:00** **Review and Life Forms for Continuing Projects**
- 1:00- 1:10 CFSP07-WSU-01: Performance of Discontinuous FSW
- 1:10- 1:20 CFSP07-WSU-02: Faying Surface Treatments of FSSW
- 1:20- 1:30 CFSP07-WSU-03: "Low" Z force FSSW
- 1:30- 1:40 CFSP08-AMP-01: FSW of Gray Cast Iron
- 1:40- 1:50 CFSP08-MST-01: Friction Stir Lap/Spot Welding of Mg alloys
- 1:50- 2:00 CFSP08-WSU-02: FSW Lap Weld Analysis with FSW Tool Software 2.0
- 2:00- 2:10 CFSP09-AMP-01: Repair of F-15 wings
- 2:10- 2:20 CFSP09-WSU-01 (S): Formability/Structural Integrity of FSW (TIE program with VCU)
- 2:20- 2:30 CFSP10-MST-01: Friction Stir Welding and Processing of Mg alloys
- 2:30- 2:40 CFSP10-USC-01: Quantitative Analysis of Tool Feature Effects
- 2:40- 2:50
- 2:50- 3:00
- 3:00- 3:30** **Break and Poster Session**
- 3:30- 4:00** **Center Business (Baumann and Sorensen)**
- 4:00- 4:45** **Site/Sponsor meetings**
- 5:30 - 7:00** **Dinner at The Lodge at Deadwood**



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Thursday, 11 Nov 2010 CFSP I/UCRC Spring Meeting

7:30- 8:00 Site/Sponsor Meetings to discuss life form responses

8:00- 9:00 Life form response review for entire IAB

9:00- 9:15 Break

9:15- 10:30 IAB Meeting

10:30- 11:30 IAB feedback

11:30 Adjourn