



CFSP Technical Workshop and Annual IAB Fall Meeting

Dates: 26-28 April 2011
Hilton St. Louis Downtown
St. Louis, MO

Tuesday, 26 April 2011 CFSP I/UCRC TECHNICAL WORKSHOP

- 7:00- 8:00 Registrations & Continental Breakfast**
- 8:00- 8:15 Welcome and Introduction of Participants (Nelson)**
- 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 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
- 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 Missouri University of Science and Technology Technical Presentation (Mishra)**
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 – *Texture and Its Application to FSW*
- 3:45- 4:00 Break**
- 4:00 - 4:45 Working session – barriers to implementation**
- 5:00- Break for the evening**



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Wednesday, 27 April 2011 CFSP I/UCRC SPRING MEETING

- 7:45 - 8:00 Registrations
8:00 - 8:10 Welcome/Introductions (Nelson)
8:10 - 8:30 NSF Commentary - Alex Schwarzkopf (NSF) and Dr. Ron Beck (Center Evaluator)
8:40- 9:00 State-of-the-Center (Nelson)
9:00- 10:00 Review and Life Forms for Proposed Projects
9:00- 9:20 CFSP11-AMP-01: Intelligent Process Control Systems for FSW
9:20- 9:40 CFSP11-WSU-01: FSW & FSSW for Articulated Robots
9:40- 10:00 CFSP11-WSU-02: FSW Process Characterization and Standardization
10:00- 10:30 Break and Poster Session
10:30- 11:00 John Bauhman - "Flatland Program"
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-AMP-04: Distortion Control in Stiffened Structures
11:40- 11:50 CFSP07-WSU-01: Performance of Discontinuous FSW
11:50- 12:00 CFSP07-WSU-02: Faying Surface Treatments of FSSW
12:00- 1:00 Lunch
1:00- 3:00 Review and Life Forms for Continuing Projects
1:00- 1:10 CFSP07-WSU-03: "Low" Z force FSSW
1:10- 1:20 CFSP08-AMP-01: FSW of Gray Cast Iron
1:20- 1:30 CFSP08-MST-01: Friction Stir Lap/Spot Welding of Mg alloys
1:30- 1:40 CFSP08-WSU-02: FSW Lap Weld Analysis with FSW Tool Software 2.0
1:40- 1:50 CFSP09-AMP-01: Repair of F-15 wings
1:50- 2:00 CFSP09-WSU-01 (S): Formability/Structural Integrity of FSW (TIE program with VCU)
2:00- 2:10 CFSP10-MST-01: Friction Stir Welding and Processing of Mg alloys
2:10- 2:20 CFSP10-USC-01: Quantitative Analysis of Tool Feature Effects
2:20- 2:30 CFSP10-BYU-01: Understanding the hard zone in FSW of HSLA steels
2:30- 2:40 CFSP10-BYU-02: Control aspects of FSW in thick-section copper
2:40- 2:50 CFSP10-BYU-03: Friction Stir Weldability index for HSLA steels
2:50- 3:00 CFSP10-MST-02: Friction stir welding of Al-Li alloys
3:00- 3:30 Break
3:30- 4:00 IAB Presentation (TBA)
4:00- 4:30 Center Business (Baumann and Nelson)
4:00- 4:45 Site/Sponsor meetings
5:30 - 7:00 Dinner (location TBA)



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Thursday, 28 April 2011 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