



ENGINEERED RESIDUAL STRESS IMPLEMENTATION (ERSI) WORKSHOP 2019

Wednesday, September 11, 2019

USTAR Innovation Center | 633 Falcon Hill Drive, Clearfield, UT 84015

SPECIAL SESSION FOR:
ERSI Committee Leads & ERSI Executive Committee

4:30 PM to 5:00 PM <i>Wednesday, September 11, 2019</i>	Arrive and Greeting
5:00 PM to 8:00 PM <i>Wednesday, September 11, 2019</i>	Group Discussion of ERSI Vision, Strategic Vision, Technology Gaps, and Structures Bulletin <i>Dinner will be served</i>

Thursday, September 12, 2019

*Weber State University Center for Continuing Education
775 University Park Blvd, Clearfield UT 84015*

8:00 AM to 8:30 AM <i>Thursday, September 12, 2019</i>	Arrive and Breakfast
8:30 AM to 8:45 AM <i>Thursday, September 12, 2019</i>	Welcome <i>Mr. Dallen Andrew, Dr. Scott Carlson, Mr. Robert Pilarczyk</i>
8:45 AM to 10:40 AM <i>Thursday, September 12, 2019</i>	Presentations by Leads Covering Progress, Session 1 <i>(25 minute presentations, 15 minutes discussion)</i>
8:45 AM to 9:15 AM	Executive Committee Review – Programmatic Overview, Strategic Vision, and Structures Bulletin Update <i>Dr. Scott Carlson (Lockheed Martin)</i>
9:15 AM to 9:55 AM	Residual Stress Process Simulation <i>Mr. Keith Hitchman (FTI)</i>
10:00 AM to 10:40 AM	Residual Stress Measurement <i>Dr. Mike Hill (Hill Engineering)</i>
10:40 AM to 10:50 AM <i>Thursday, September 12, 2019</i>	BREAK
10:50 AM to 12:10 PM <i>Thursday, September 12, 2019</i>	Presentations by Leads Covering Progress, Session 2 <i>(25 minute presentations, 15 minutes discussion)</i>
10:50 AM to 11:30 AM	Fatigue Crack Growth Analysis Methods <i>Mr. Robert Pilarczyk (Hill Engineering)</i>
11:30 AM to 12:10 PM	Validation Testing <i>Mr. Jacob Warner (USAF A-10 ASIP)</i>
12:10 PM to 12:30 PM <i>Thursday, September 12, 2019</i>	WORKING LUNCH <i>(Served at the Workshop)</i>



ENGINEERED RESIDUAL STRESS IMPLEMENTATION (ERSI) WORKSHOP 2019

Thursday, September 12, 2019 (continued)

12:30 PM to 2:30 PM

Thursday, September 12, 2019

Presentations by Leads Covering Progress, Session 3

(25 minute presentations, 15 minutes discussion)

12:30 PM to 1:10 PM

Non-Destructive Inspection

Mr. John Brausch (USAF AFRL)

1:10 PM to 1:50 PM

Quality Assurance and Data Management

Mr. Kaylon Anderson (USAF A-10 ASIP)

1:50 PM to 2:30 PM

Risk Analysis and Uncertainty Quantification

Mr. Lucky Smith (SwRI) | Ms. Laura Hunt (SwRI)

2:30 PM to 3:00 PM

Thursday, September 12, 2019

Open Discussion

3:00 PM to 5:30 PM

Thursday, September 12, 2019

Breakout Discussions, Session 1

Room (as assigned): Fatigue Crack Growth Analysis Methods & Validation Testing

Room (as assigned): Residual Stress Process Simulation

Room (as assigned): Quality Assurance and Data Management

Friday, September 13, 2019

*Weber State University Center for Continuing Education
775 University Park Blvd, Clearfield UT 84015*

8:00 AM to 8:30 AM

Friday, September 13, 2019

Arrive and Breakfast

8:30 AM to 10:30 AM

Friday, September 13, 2019

Breakout Discussions, Session 2

Room (as assigned): Fatigue Crack Growth Analysis Methods & Validation Testing

Room (as assigned): Residual Stress Measurement

Room (as assigned): Non-Destructive Inspection

Room (as assigned): Risk Analysis and Uncertainty Quantification

10:30 AM to 1:00 PM

Friday, September 13, 2019

Open Discussion and Lunch

(Lunch provided by Hill Engineering)

Topics: Review, Future Planning, Governance, Funding

BY INVITATION

Friday, September 13, 2019

SPECIAL SESSION FOR USAF ONLY

Dr. TJ Spradlin (USAF AFRL)