

CSAT Meeting AGENDA

21-22 June 2016, Tuesday/Wednesday

Tuesday June 21, 2016

Meeting Time: 0800-2100

Odeum Conference Center

Presenter

Presentation Topic

Time

1. Dr. Rick Sisson, WPI	Welcome	0800-0815
2. Vic Champagne, ARL	Meeting Objectives and New Developments	0815-0845
3. Dr. Brian James, Ellsworth AFB	Ellsworth Air Force Base Cold Spray AM Facility	0845-0915
4. Michael Nicholas, Boeing	Cold Spray Development for Apache Mast Support	1045-1105
5. Dr. Tim Eden, Penn State	Applied Research Lab Cold Spray Development	0945-1015
Exhibit Area		
6. Neil Matthews, RUAG	Cold Spray for Australian Defense Department	1100-1130
7. Blake Barnett, Dan Kaplowitz, ARL	Cold Spray Additive Manufacturing & Structural Repair	1130-1200
Exhibit Area		
8. Chris Howe, MOOG	Cold Spray Aerospace at Tinker Air Force Base	1300-1330
9. Aaron Nardi, UTRC	Structural Cold Spray Aluminum Alloy Development	1330-1400
10. Dr. Christian Widener, SDSMT	ASM Cold Spray Operator Certification Program	1400-1430
Exhibit Area		
11. Fred Lancaster, NAVAIR	Cold Spray Development for Naval Aircraft	1500-1530
12. Dr. Ovidiu Marin, Quantum Technology	Helium Recovery for the Cold Spray Process	1530-1600
13. Rob Hrabe, HF Webster Eng Services	OSD Mantech Program & Powder Processing/Storage	1600-1630
RECEPTION		
14. Bus Transportation from WPI to MOOG	22 Town Forest Road, Webster, MA, 01570	1830-1900
Demonstration of OSD Mantech Cold Spray Helium Recovery System-Networking		
15. Bus Transportation	Back to WPI from MOOG, Webster MA	2030-2100



MOOG



Wednesday June 22, 2016

Meeting Time: 0800-1600 Odeum Conference Center

Presenter	Presentation Topic	Time
1. K. Young, Boeing	CH-47 Cold Spray Application-TENTATIVE	0800-0830
2. Dr. D. Cote and B. McNally, WPI	Advanced Powder Characterization and Modeling	0830-0900
3. S. Arunachalam, Safe Inc.	Cold Spray Structural Repair of Al 7075-T651	0900-0930
4. Ozan Ozdemir, SDSMT	Prediction of Particle Impact Conditions via CFD Model	0930-1000
Exhibit Area		BREAK and NETWORKING 1000-1030
5. Tom Stamey, PSNSY	Cold Spray Repair of Main Pump Housing	1030-1100
6. Dan Greving, Honeywell, AR	Cold Spray Application Development at Honeywell	1100-1130
7. Dr. Atieh Moridi, MIT	Fatigue behavior of Structural Cold Spray Coatings	1130-1200
Exhibit Area		LUNCH 1200-1300
8. Dr. Iulian Marinescu, Rolls Royce	Process Monitoring Solutions for Cold Spray	1300-1330
9. J. Lareau, S. Glass, A. Diaz, PNNL	Cold Spray Fabrication of NDE Qualification Samples	1330-1400
10. Heidi Lovelock, TWI	CORSAIR European Collaborative Project	1400-1430
Exhibit Area		BREAK and NETWORKING 1430-1500
11. Dr. Julio Villafuerte, Centerline	Aerospace New Trends: Saving with Cold Spray Process	1500-1530
12. Dr. Klassen, Helmut-Schmidt University	Systematic Tuning of Cold Spraying for Aerospace	1530-1600
13. Victor Champagne, ARL	Cold Spray Joining of Dissimilar Materials and Wrap-up	1630-END

Hosts, Dr. Rick Sisson and Dr. Diran Apelian

Worcester Polytechnic Institute

Ph: 508-831-5335

sisson@wpi.edu

The Odeum Conference Center is located within the WPI Campus Center and can accommodate 250.



Technical Coordinator, Victor Kenneth Champagne, Jr.

Technical Leader, US Army Research Laboratory Center for Cold Spray

ATTN: RDRL-WMM-D, BLDG 4600, Aberdeen Proving Ground, MD 21005-5069

Ph: (410) 306-0822, victor.k.champagne.civ@mail.mil

<http://www.arl.army.mil/www/default.cfm?page=369>

Meeting Administrator, Rob Hrabe and Faye Kann

VRC Metal Systems, LLC,

525 University Loop, Suite 211, Rapid City, SD 57701-0436

Phone: 605-209-5196 [Rob] 605-716-0064 [Faye]

robhrabe@vrcmetalsystems.com

faye.kann@vrcmetalsystems.com

workshop@coldsprayteam.com

www.vrcmetalsystems.com



THANK YOU to our SPONSOR for the TUESDAY NIGHT RECEPTION!

MR. GEORGE CAMPBELL



CSAT EXHIBITORS

- ❖ Army Research Laboratory
- ❖ Buehler
- ❖ CenterLine
- ❖ MOOG
- ❖ Penn State-ARL
- ❖ South Dakota School of Mines and Technology
- ❖ Sturbridge Metallurgical
- ❖ Temple University
- ❖ UTRC
- ❖ VRC Metal Systems
- ❖ Worcester Polytechnic Institute

STUDENT POSTERS AND EXHIBITS

- ❖ Northeastern University
- ❖ University of Massachusetts
- ❖ South Dakota School of Mines and Technology
- ❖ Temple University
- ❖ University of North Carolina, Chapel Hill
- ❖ University of Connecticut
- ❖ University of North Texas
- ❖ University of Southern Mississippi
- ❖ Worcester Polytechnic Institute