



CSAT Meeting AGENDA

Tuesday, June 22, 2021 Meeting Time: 8:00am-8:00pm

***Dr. Victor Champagne, Jr. Welcome & Keynote Address 0800-0830**

Session 1: Cold Spray at the Point of Need

<u>Presenter</u>	<u>Presentation Topic</u>	<u>Time</u>
1. *Aaron Nardi, VRC Metal Systems	Advancements in High Pressure CS at Point of Need	0830-0900
2. *Calum Stewart, SPEE3D	CS Delivering for Defense – the Moment Critique	0900-0930
3. *Neil Matthews, RUAG	Mobile Supersonic Particle Deposition System	0930-1000
Exhibit Area	BREAK and NETWORKING	1000-1030
4. Gehn Ferguson, ARL	Cold Spray Repair of Ground Vehicle Steel Armor	1030-1050
5. Dr. Tim Eden, Penn State University	Multifunctional Automated Repair System (MARS)	1050-1120
6. David Wright, Accuwright, AR	FAA & Accepted Manual Repairs Using LP Cold Spray	1120-1140
7. Chris Howe, MidAmerica Aerotech, ND	Portable CS Repair of Patriot Missile Pedestal	1140-1200
Exhibit Area	LUNCH	1200-1300
8. Marc Pepi, ARL	CS Powder Production & FSW at Point of Need-Army CS	1300-1330

Session 2: Cold Spray Projects and Programs

<u>Presenter</u>	<u>Presentation Topic</u>	<u>Time</u>
9. *Janice Bryant, NAVSEA	NAVSEA Strategy for Cold Spray Implementation	1330-1355
10. *Brian James, Ellsworth Air Force Base	Cold Spray Development at Ellsworth Air Force Base	1355-1425
11. Fred Lancaster, NAVAIR	Cold Spray Roadmap for NAVAIR	1425-1450
Exhibit Area	BREAK and NETWORKING	1450-1530
12. Debbie Lilu, NCMS	Commercial Technologies for Maintenance Activities	1530-1600
13. Mitch Shedden, AFLCMC/RO	Cold Spray Development for the Air Force	1600-1630
14. Ken Ross, PNNL	Cold Spray for Nuclear Power Plants & NRC Update	1630-1700
RECEPTION	(Poster Session–Exhibits-Networking)	1700-2000

THANK YOU TO OUR PLATINUM SPONSORS



Session 3: Cold Spray Ecosystem

Presenter	Presentation Topic	Time
1. *Dr. Aaron Birt, Solvus Global	Making Powders Work for You	0800-0830
2. *Dan Stanley, Norfolk NSY, VA	CS Implementation at Norfolk Naval Shipyard	0830-0900
3. *Howie Marotto, EWI, OH	CS Development at the Edison Welding institute	0900-0920
4. Mike Nicholas, Boeing, AR	Cold Spray Repair for Composite Tooling	0920-0950
Exhibit Area	BREAK and NETWORKING	0950-1020
5. Brian Riffle, PPI, WA	Cold Spray Repair of Aircraft Propeller Components	1020-1040
6. Dr. Julio Villafuerte, Centerline, Canada	Evolution of SST Cold Spray Commercial Applications	1040-1100
7. P. Richter, Impact Innovations, Germany	Coating Inner Diameters with a Rotating Spray Device	1100-1120
8. Madan Pal, BAE, United Kingdom	Al-Al ₂ O ₃ Coatings with LP-CMS for Marine Applications	1120-1140
9. Fred Laguines, ES3, GA	CS Repair Projects for the US Navy and Air Force	1140-1200
Exhibit Area	LUNCH	1200-1300

Session 4: Science & Technology

Presenter	Presentation Topic	Time
10. *Dr. Rhys Jones, Monash Un. Australia	Durability Analysis of CS Repairs to Corrosion Damage	1300-1325
11. *Dr. Oliver Stier, SIEMENS, Germany	Industrial Multi-axis CS Mfg. using SIEMENS Software	1325-1350
12. *Dr. Ozan Ozdemir, Northeastern Univ.	Intelligent Manufacturing Cells for Modern Cold Spray	1350-1415
13. Dr. Arvind Agarwal, FL International Un.	Multi-Component & High Strength Al Coatings by CS	1415-1440
14. Sarah Dorman, Safe Engineering, CO	Cold Spray for Aircraft Structural Repair	1440-1500
Exhibit Area	BREAK and NETWORKING	1500-1515
15. Dr. Simon Bellemare, MMT, MA	NDT of CS Materials via Surface Frictional Sliding	1515-1540
16. Todd Dunford, Jentek Sensors, MA	NDE of CS Using MWM-Array Eddy Current Methods	1540-1605
17. Dr. Jean-Gabriel Legoux, NRC, Canada	Laser-Assisted Cold Spray from Concept to Applications	1605-1630
18. Dr. Luke Brewer, U. Alabama	CS AA7075 & AA7050 Using Heat Treated Powders	1630-1655
19. Mark Riccio, ThermoFisher, MA	3D Imaging of AM Materials by HeliScan Micro-CT	1655-1720
*Dr. Victor Champagne	Wrap-Up	1720-1730
20. RECEPTION		1730-2000

**THANK YOU TO OUR HOSTS,
CONFERENCE STAFF MEMBERS,
SPONSORS & ADVISORY BOARD**



Executive Director, Victor Kenneth Champagne, Jr.

Email: vchampagnejr@gmail.com, Mobile: (774) 334-0842

Associate Executive Director, Dr. Aaron Birt

Solvus Global, 104 Prescott Street, Worcester, MA, 01605
 Email: aaron.birt@solvusglobal.com, Mobile: (717) 602-5158
<https://www.solvusglobal.com/>



Conference Organizers

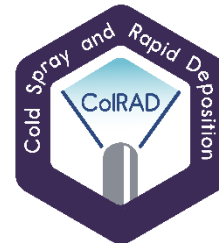
Nicole Boyson, Meeting Coordinator
 Autumn Minery, Media Coordinator
 Annette Langan, Sponsorship Coordinator

Dr. Caitlin Walde, Conference Director
 Dr. Aaron Birt, Associate Executive Dir.
 Dr. Victor Champagne Jr., Executive Dir.

CSAT Advisory Board Members

Alex Krakovitz	Letterkenny Army Depot-retired,PA	Emeritus Member
Dr. Juilo Villafuerte	CenterLine Windsor Limited, Canada	Industry Member
Michael Nicholas	Boeing, AR	Industry Member
Dr. Tim Eden	Pennsylvania State University, PA	Academic Member
Aaron Nardi	VRC Metal Systems, SD	Industry Member
Janice Bryant	NAVSEA, Washington, DC	DoD Member
John Lareau	Pacific Northwest National Labs, WA	Industry Member
Dr. Danielle Cote	Worcester Polytechnic Institute, MA	Academic Member
Dr. Dennis Helfritch	Survive Engineering, MD	Emeritus Member
Robert Gullimette	Sikorsky Aircraft Company, CT	Industry Member
Brian James	Ellsworth Air Force Base, SD	DoD Member
Byron Kennedy	SPEE3D, Australia	Industry Member
Neil Matthews	RUAG, Australia	Industry Member

THANK YOU TO OUR SILVER & BRONZE SPONSORS



GLOBAL
ADVANCED METALS



ThermoFisher
SCIENTIFIC



THE BARNES GLOBAL
ADVISORS



METAL POWDER
WORKS