Army/NDIA/SME Manufacturing Symposium Huntsville, AL May 3-4, 2018

\$195 Industry / \$99 Government

08:00 - 08:30 Check-in, Breakfast Associate Director, Missile Development RDEC Opening Remarks	Thursday, May 3								
Dr. Michael S. Richman Associate Director, Missile Development RDEC Opening Remarks	Time	Time	Speaker	Job Title	Company	Presentation Title			
08:30 - 08:45 Dr. Michael S. Richman Missile Development RDEC Opening Remarks	08:00 - 08:30	8:00 - 08:30	Check-In, Breakfast						
09:15 - 09:45 Ron Legowik Government Project Lead AMERDEC Prototype Integration Facility (PIF)	08:30 - 08:45	8:30 - 08:45	Dr. Michael S. Richman	The state of the s		Opening Remarks			
O9:15 - 10:00 Break 20 minutes Assistant Professor in Mechanical Engineering and Advanced Manufacturing University of Tennessee The rotating nozzle concept Topology Optimization of Mis (Missile S&T) USG Table Topology Optimization of Mis (Missile S&T) USG Table Table Topology Optimization of Mis (Missile S&T) USG Table Tabl	08:45 - 09:15	8:45 – 09:15	Susan Dunbar	Missile Technology Chief	USG	S&T 30 Yr. Road Map			
Assistant Professor in Mechanical Engineering and Advanced Manufacturing 10:30 – 11:00 Keith Roberts AMRDEC S&T USG Topology Optimization of Mis (Missile S&T) TBD TBD TBD TBD TBD TBD TBD T	09:15 - 09:45	9:15 - 09:45	Ron Legowik	Government Project Lead		3D printing methods for polymer composites			
10:00-10:30 Brett G. Compton Engineering and Advanced Manufacturing 10:30 - 11:00 Keith Roberts AMRDEC S&T USG Topology Optimization of Mit (Missile S&T) 11:00 - 12:00 TBD TBD TBD TBD TBD TBD TBD TBD	09:45 – 10:00	9:45 – 10:00	Break 20 minutes						
2 10:30 – 11:00 Ketth Roberts AMRDEC S&T USG (Missile S&T) 3 11:00 – 12:00 TBD TBD IBM Research Artificial Intelligence - Watso 12:00 – 12:45 Lunch / Networking 4 12:45 – 01:15 John Foreman AMRDEC S&T USG Laser Welding Composites (N 5 01:15 – 01:45 Chad Henry Process R&D Engineer GKN Aerospace USA Development and Implement Metal Wire Deposition at GKI 01:45 – 02:00 Break 15 minutes 6 02:00 – 02:30 LMC LMCO NCDMM Metgraph Process R&D Engineer Talent Swarm Collaboration Using Existing To Devises for Remote Mainten 8 03:00 – 03:50 Dale Turner Director, West Coast Regional Mfg. Ctr. Ways Augmented Reality in N Ways Augmented Reality in N	10:00-10:30	10:00-10:30	Brett G. Compton		University of Tennessee	The rotating nozzle concept			
12:00 – 12:45 12:00 – 12:45 Lunch / Networking 4	10:30 – 11:00	0:30 – 11:00	Keith Roberts	AMRDEC S&T	USG	Topology Optimization of Missile Components (Missile S&T)			
AMRDEC S&T USG Laser Welding Composites (No. 12:45 – 01:15 O1:15 – 01:45 Chad Henry Process R&D Engineer GKN Aerospace USA Development and Implement Metal Wire Deposition at GKI O1:45 – 02:00 Break 15 minutes LMC LMCO NCDMM Metgraph Processed USA USG Development and Implement Metal Wire Deposition at GKI LMC LMCO NCDMM Metgraph Processed USA Talent Swarm O2:30 – 03:00 Jim Novack CEO Talent Swarm Clean Energy Smart Manufacturing Innovation Institute (CESMII) SMART Manufacturing O3:50 – 04:00 Break 10 minutes Associated USA Development and Implement Metal Wire Deposition at GKI CEO CEO Talent Swarm Clean Energy Smart Manufacturing Innovation Institute (CESMII) SMART Manufacturing Ways Augmented Reality in No.	11:00 – 12:00	1:00 – 12:00	TBD	TBD	IBM Research	Artificial Intelligence - Watson - IIoT			
4 12:45 – 01:15 5 01:15 – 01:45 Chad Henry Process R&D Engineer GKN Aerospace USA Development and Implement Metal Wire Deposition at GKI 01:45 – 02:00 Break 15 minutes LMC LMCO NCDMM Metgraph Process Read Collaboration Using Existing To Devises for Remote Mainten 8 03:00 – 03:50 Dale Turner Director, West Coast Regional Mfg. Ctr. Director, Wast Coast Regional Mfg. Ctr.	12:00 – 12:45	2:00 – 12:45	Lunch / Networking						
Standard Renty Process R&D Engineer GKN Aerospace USA Metal Wire Deposition at GKI	12:45 – 01:15	2:45 – 01:15	John Foreman	AMRDEC S&T	USG	Laser Welding Composites (Missile S&T)			
LMC LMCO NCDMM Metgraph Pro Director, West Coast Regional Mfg. Ctr. LMC LMCO NCDMM Metgraph Pro LMC LMCO NCDMM Metgraph Pro LMC LMCO NCDMM Metgraph Pro Collaboration Using Existing To Devises for Remote Mainten Clean Energy Smart Manufacturing Innovation Institute (CESMII) SMART Manufacturing O3:50 – 04:00 Break 10 minutes Mays Augmented Reality in Mays Augmented Reality	01:15 - 01:45	1:15 – 01:45	Chad Henry	Process R&D Engineer	GKN Aerospace USA	Development and Implementation of Laser Metal Wire Deposition at GKN Additive			
7 02:30 – 03:00 Jim Novack CEO Talent Swarm Collaboration Using Existing To Devises for Remote Mainten 8 03:00 – 03:50 Dale Turner Director, West Coast Regional Mfg. Ctr. Clean Energy Smart Manufacturing Innovation Institute (CESMII) SMART Manufacturing O3:50 – 04:00 Break 10 minutes Ways Augmented Reality in Manufacturing Innovation Institute (CESMII)	01:45 - 02:00	1:45 – 02:00	Break 15 minutes						
7 02:30 – 03:00 Jim Novack CEO Talent Swarm Collaboration Using Existing Tourises for Remote Mainten 8 03:00 – 03:50 Dale Turner Director, West Coast Regional Mfg. Ctr. Clean Energy Smart Manufacturing Innovation Institute (CESMII) SMART Manufacturing O3:50 – 04:00 Break 10 minutes Ara Agonian Ways Augmented Reality in Manufacturing Innovation Institute (CESMII)	02:00 – 02:30	2:00 – 02:30			LMC	LMCO NCDMM Metgraph Project			
8 03:00 – 03:50 Dale Turner Director, West Coast Regional Mfg. Ctr. Innovation Institute (CESMII) SMART Manufacturing 03:50 – 04:00 Break 10 minutes Ara Agonian Ways Augmented Reality in N	02:30 - 03:00	2:30 – 03:00	Jim Novack	CEO	Talent Swarm	Human Hive – Exploring Real Time Global Collaboration Using Existing Telepresence Devises for Remote Maintenance & Training			
Ara Aganian Ways Augmented Reality in N	03:00 – 03:50	3:00 – 03:50	Dale Turner	Director, West Coast Regional Mfg. Ctr.		SMART Manufacturing			
Ways Augmented Reality in N	03:50 - 04:00	3:50 – 04:00	Break 10 minutes						
	04:00 - 04:30	4:00 – 04:30	Ara Agopian	CEO	EVARA VR	Ways Augmented Reality in Manufacturing Will Revolutionize The Industry			
10 04:30 – 05:00 Jamil Baghdachi Professor and Director Eastern Michigan University Self-healing and Shape-memor Coatings	0 04:30 - 05:00	4:30 – 05:00	Jamil Baghdachi	Professor and Director	Eastern Michigan University	Self-healing and Shape-memory Responsive Coatings			
05:00 CONCLUDE FOR THE DAY	05:00	05:00	CONCLUDE FOR THE DAY						

Frie	Friday, May 4								
	Time	Speaker	Job Title	Company	Presentation Title				
	08:00 - 08:30	Check-In, Breakfast							
	08:30 - 08:45	Susan Dunbar	Missile Technology Chief	USG	Opening Remarks				
1	08:45 - 09:45	Jennifer Richman	AMRDEC S&T	USG	Tactical High Speed Missile Structures (Missile S&T)				
	09:45 - 10:00	Break 15 minutes							
2	10:00 – 11:00	Ed Sosnowski & Brian Close	Senior Director & Executive Director	OPS Solutions LLC	Light Guide Systems Interactive Work Instructions				
3	11:00 – 11:30	Taylor Owen		USG	Structural Bonding of Composites (Missile S&T)				
4	11:30 – 12:00	Colm Gavin	Digitalization Specialist	Siemens Digital Factory	The Digital Twin and its Effects on Automation Efficiencies				
	12:00 - 12:45	Lunch / Networking							
5	01:00 - 01:30	Anthony Holden	Deputy GPM - Digital Manufacturing & Design Innovation Institute	Engineering Directorate, Aviation & Missile RD&E Center, US Army	DMDII overview / Digital Thread				
6	01:30 - 02:00	Bandara Gamini	Professor	University of Wisconsin	Collaborative Robots: Future of Robotics and Automation				
7	02:00 - 02:30	Andrew Pokelwaldt	Director, Certifications	American Composites Manufacturers Association	Composites Manufacturing Personnel and Process Challenges of Manufacturing Advancement in Aerospace				
8	02:30 - 03:00	A. Adele Ratcliff	Director, Manufacturing Resiliency & Assurance (MRA) & International Manufacturing & Innovation (IMI), ODASD (MIBP)	Department of Defense	Manufacturing Resiliency				
	03:00	CONCLUDE FOR THE DAY							