

DEFENSE STRATEGIES INSTITUTE'S 3RD

# MILITARY ADDITIVE MANUFACTURING SUMMIT & TECHNOLOGY SHOWCASE

## EVENT AGENDA



February 6-7, 2019

Tampa, Florida | CAMLS (USF)

More Information Available at:  
[MilitaryAM.dsigroup.org](http://MilitaryAM.dsigroup.org)



<p><b>Program Design &amp; Goal:</b></p>	<p>DSI's Military Additive Manufacturing Summit is designed as an educational &amp; training "Town Hall" forum, where thought leaders &amp; key policy-makers across Military services, defense agencies, &amp; civilian organizations can come together for actionable discussions &amp; debate. This year's Summit will focus on the latest revolutionary technologies &amp; innovations being developed to further various additive manufacturing processes &amp; current level of capability, in order to deliver greater flexibility to the Warfighter on the battlefield.</p> <p>The emergence of additive manufacturing technologies over the last few years in Industry has provided Military commands &amp; defense agencies the opportunity to implement advanced 3D printing capabilities into their supply chains on a large scale that drastically reduce the manufacturing, maintenance, &amp; sustainment costs of strategic resources &amp; materials, with the overall goal of advancing &amp; ensuring mission readiness.</p> <p>Discussions at this Summit will also focus on emerging topics in the additive manufacturing community to include expeditionary printing for enhanced manufacturing capability, as well as detail the role of the Military Industrial Base in ensuring the availability of the advanced materials necessary for these innovative 3D printing processes. Ultimately, AM will help to lower cost by enabling a more agile and efficient Military logistics supply chain.</p>
<p><b>Operating Guidelines:</b></p>	<p>DSI's Military Additive Manufacturing Summit directly supports DoD/Federal Government priorities by providing a conduit for officials to efficiently reach audiences outside of their respective offices that directly impact their department's mission success, at no charge to the government, &amp; in an efficient expenditure of time.</p> <p>DSI's Summit will provide a forum to address &amp; improve internal &amp; external initiatives, meet with &amp; hear from partner organizations, disseminate vital capability requirements to industry, increase visibility within the larger community, &amp; generally support their mission.</p> <p>* The Summit is open &amp; complimentary to all DoD &amp; Federal Government employees &amp; is considered an educational &amp; training forum.</p> <p>(Industry &amp; academia members are charged a fee of attendance)</p> <p><b>Summit is CLOSED TO PRESS / NO RECORDINGS</b></p>
<p><b>General Target Audience:</b></p>	<p>US Military Services, US Military Commands, Military &amp; Government Research Labs, Government Agencies, Academia, &amp; US Technology Solution Providers</p>
<p><b>Specific topics to be discussed include:</b></p>	<ul style="list-style-type: none"> <li>- Acquiring and fielding the most effective &amp; innovative additive manufacturing technologies for mission success across the DoD</li> <li>- Delivering an effective military logistics supply chain in support of a ready, sustainable force</li> <li>- Utilizing additive manufacturing processes in support of Army's ground and support systems</li> <li>- Guiding the implementation of additively manufactured parts into the DoD logistics network</li> <li>- Integrating additive manufacturing processes: utilizing advanced technologies to further fleet durability &amp; readiness</li> <li>- Enhancing additive manufacturing capabilities in support of a more agile &amp; resilient MAGTF</li> <li>- Enabling the airmen to be more self-sufficient through the utility of 3D printing technologies</li> <li>- Ensuring sustainable and innovative industrial capabilities in support of the Warfighter</li> <li>- Advancing expeditionary 3D printing to support Warfighters at the point of need</li> <li>- Developing the next generation of 3D printing and processes in support of the Warfighter</li> </ul>

**Wednesday, February 6, 2019**

7:45– 8:30	<b>Registration &amp; Light Breakfast Reception Open</b>
8:30-8:45	<b>Chairperson Event Opening Remarks:</b>  <b>Mark Vitale (Confirmed)</b> Specialist Leader   Supply Chain & Network Operations Deloitte Consulting LLP
8:45 – 9:00	<b>Moderator Remarks:</b> <b>LTG David Halverson, USA (Ret), Chairman &amp; CEO, Cypress International Inc. (Confirmed)</b>
9:00 – 9:45	<b>*Event’s Keynote Remarks*</b> <b>Enhancing the Logistics Supply Chain Using Today’s Technology Today</b> <ul style="list-style-type: none"><li>- Ensuring the Army is taking advantage of the current additive manufacturing technologies that are being developed</li><li>- Providing an expeditionary capability to maintain the decisive edge</li><li>- Supporting Army readiness through the fielding of advanced materials and 3D printing processes</li></ul> <b>LTG Aundre F. Piggee, USA (Confirmed)</b> Deputy Chief of Staff, G-4 U.S. Army
9:45-10:15	<b>Addressing Digital Transformation Implementation Challenges</b> <p><i>The Fourth Industrial Revolution carries with it seemingly limitless opportunity—and seemingly limitless options for technology investments. As organizations seek digital transformation, they should consider multiple questions to help narrow their choices: what, precisely, they hope to transform; where to invest their resources; and which advanced technologies can best serve their strategic needs. Further, digital transformation cannot happen in a vacuum; it does not end simply with implementing new technologies and letting them run. Rather, true digital transformation typically has profound implications for an organization— affecting strategy, talent, business models, and even the way the company is organized.</i></p> <p><i>Deloitte research has revealed a mix of enthusiasm and ambitious plans for future investment—as well as a series of disconnects between plans and actions, which we explore. While digital transformation is taking shape in nearly every organization, paradoxes can be observed around strategy, supply chain transformation, talent readiness, and drivers for investment. This suggests that the will for digital transformation remains strong, but organizations are largely still finding a path that balances improving current operations with the opportunities afforded by Industry 4.0 technologies for innovation and business model transformation.</i></p> <b>Dr. Mark Cotteleer (Confirmed)</b> Managing Director, Center for Integrated Research Deloitte
10:15 – 11:15	<b>Networking Break &amp; Exhibits</b>
11:15-12:35	<b>Advancing Expeditionary 3D Printing to Support Warfighters at the Point of Need</b> <p><i>The emergence of 3D printing technologies and manufacturing processes over the last decade has brought about a much more agile, sustainable way of conducting operations in the battlespace for the Warfighter. This panel will detail how 3D printing capabilities has created a more flexible and resilient deployed force and have helped in supporting unique mission sets. It will also explain how these expeditionary processes have allowed for the Warfighter to be able to print on demand the parts they need and install them within days. Members of the various services will explain current expeditionary AM projects that are being worked on to enable increased operational success.</i></p> <b>Panel Moderator:</b>  <b>Dr. Michael Case (Confirmed)</b> Program Manager, ACES U.S. Army Corps of Engineers

	<p><b>Panelists:</b>  <b>COL (Ret.) Tony Delgado, USA (Confirmed)</b>  PM, Additive Manufacturing  Defense Logistics Agency</p> <p><b>Dr. Kristin Holzworth (Confirmed)</b>  Chief Scientist, Advanced Manufacturing Operations Cell  Marine Corps Systems Command  Space and Naval Warfare Systems Center Pacific</p> <p><b>Michael Guinn (Confirmed)</b>  Advanced Manufacturing Lead, Acquisition Agility  SOF AT&amp;L</p> <p><b>Timothy C. Phillis (Confirmed)</b>  Lead General Engineer / Project Officer Expeditionary Additive Manufacturing  U.S. Army RDECOM / ARDEC / RDAR-EIL-TC</p>
12:35-12:45	<p><b>Stories from the Field, Large-Scale FFF 3D Printing for Defense</b></p> <p><b>Samantha Snabes (Confirmed)</b>  CEO  re:3D, Inc</p>
12:45-1:45	<p><b>Networking Lunch</b></p>
1:45-2:30	<p><b>Utilizing Additive Manufacturing Processes in Support of Army's Ground and Support Systems</b></p> <ul style="list-style-type: none"> <li>- TACOM efforts to integrate 3D printed materials to improve organic industrial capabilities</li> <li>- Enabling Army readiness for ground and support systems across the globe</li> <li>- Near term considerations toward implementing 3D printing on a large scale to deliver flexible and responsive support to the Warfighter</li> </ul> <p><b>COL Ken Letcher, USA (Confirmed)</b>  Commander, JMTC &amp; AMC AM Lead  TACOM</p>
2:30-3:15	<p><b>Modernizing Supply Chains through Additive Manufacturing in Support of the Warfighter</b></p> <ul style="list-style-type: none"> <li>- Detailing DLA's strategic roadmap toward integrating AM capabilities for a more efficient supply chain</li> <li>- Guiding the implementation of additively manufactured parts into the DoD logistics network</li> <li>- How AM can be used to keep legacy systems operational as well as improve logistics transactions across the DoD</li> </ul> <p><b>Kathy Cutler, SES (Confirmed)</b>  Director, Information Operations and Chief Information Officer  DLA</p>
3:15-3:45	<p><b>Networking Break &amp; Exhibits</b></p>
3:45-4:30	<p><b>US Navy Initiatives Towards Integrating Additive Manufacturing Processes: Utilizing Advanced Technologies to Further Fleet Durability &amp; Readiness</b></p> <ul style="list-style-type: none"> <li>- Detailing how AM capabilities are being facilitated throughout the fleet</li> <li>- Developing effective, rapid methods of repair using 3D printing processes to help guide the modern &amp; future sailor</li> <li>- Guiding the understanding of US Navy efforts to integrate AM into its supply chains</li> </ul> <p><b>CAPT Jason Bridges, USN (Confirmed)</b>  OPNAV N415</p>

4:30-4:40	<p><b>Achieving High Resolution Additive Manufacturing at the Speed of Light Discussion Points</b></p> <ul style="list-style-type: none"> <li>- Brief summary of how this category of Additive Manufacturing fits into the Additive Manufacturing technology universe</li> <li>- Comparison between the different types of UV curable Additive Manufacturing (SLA vs DLP vs Ink Jet)</li> <li>- Targeting performance properties through the material chemistry</li> <li>- Example of the use of UV curable Additive Manufacturing in a military application</li> </ul> <p><b>Mike Idacavage (Confirmed)</b> VP, Business Development RadTech</p>
4:40 – 5:25	<p><b>OSD Perspective: Enhancing the Industrial Base’s Additive Manufacturing Capabilities</b></p> <ul style="list-style-type: none"> <li>- Advancing military supply chain development to reduce time of delivery</li> <li>- Efforts to bridge the gaps between warfighter needs &amp; what industry can deliver</li> <li>- Leveraging public-private partnerships to develop the DoD logistics architecture</li> </ul> <p><b>Kelly Visconti (Confirmed)</b> Additive Manufacturing Lead for the OSD Manufacturing Technology Program DoD</p>
<p><u>End of Day 1</u></p> <p><u>Thursday, February 7, 2019</u></p>	
7:45 – 8:15	<p><b>Registration &amp; Light Breakfast Reception Open</b></p>
8:15--8:30	<p><b>Chairperson Opening Remarks:</b></p> <p><b>Mark Vitale (Confirmed)</b> Specialist Leader   Supply Chain &amp; Network Operations Deloitte Consulting LLP</p>
8:30 – 8:45	<p><b>Moderator Remarks:</b> <b>LTG David Halverson, USA (Ret), Chairman &amp; CEO, Cypress International Inc. (Confirmed)</b></p>
8:45-9:30	<p><b>Redefining Manufacturing: Facilitating the Additive Manufacturing/3D Printing Roadmap</b></p> <ul style="list-style-type: none"> <li>- Understanding the utility of additive manufacturing when accelerated on a large scale</li> <li>- Meeting the challenge of developing consistent, quality materials for additive manufacturing</li> <li>- Working with AFRL to break down the limits &amp; promises of AM technology</li> </ul> <p><b>John Wilczynski (Confirmed)</b> Technology Director America Makes</p>
9:30-10:15	<p><b>USMC Initiatives Towards Enhancing Additive Manufacturing Capabilities in Support of a More Agile &amp; Resilient MAGTF</b></p> <ul style="list-style-type: none"> <li>- Implementing logistics plans for AM technologies to increase the endurance and reach of the MAGTF</li> <li>- Guiding USMC modernization efforts to further manufacturing and material development</li> <li>- Near-term I&amp;L goals to develop logisticians that will help facilitate proficiency in expeditionary operations</li> </ul> <p><b>Bryan H. Wood, SES (Confirmed)</b> Assistant Deputy Commandant, Installations and Logistics USMC</p>

10:15 – 10:45	<p><b>"The Future of Additive Manufacturing"</b></p> <ul style="list-style-type: none"> <li>- Why 3D printed parts are now capable of factory-floor applications</li> <li>- Military and civilian tooling examples that enabled them to scale manufacturing and rapid prototyping</li> <li>- How you can respond to production line changes faster with 3D printing</li> </ul> <p><b>Josh Beard (Confirmed)</b> Federal Sales Leader, Markforged Duncan-Parnell</p>
10:45 – 11:15	<p><b>Networking Break &amp; Exhibits</b></p>
11:15 – 12:00	<p><b>Integrating 3D Printing Processes Across the Air Force to Improve Combat Readiness Capabilities</b></p> <ul style="list-style-type: none"> <li>- Enhancing the materiel development of mission-critical parts for all USAF aircraft</li> <li>- Facilitating AM's role in improving maintenance and sustainment efforts in the battlespace</li> <li>- USAF plans to enable the airmen to be more self-sufficient through the utility of 3D printing technologies</li> </ul> <p><b>Lt. Gen. Warren D. Berry, USAF (Confirmed)</b> Deputy Chief of Staff for Logistics, Engineering and Force Protection USAF</p>
12:00 – 1:15	<p><b>AM Innovation Panel: Developing the Next Generation of 3D Printing and Processes in Support of the Warfighter</b></p> <p><i>This panel will discuss cutting edge technology and processes to improve the availability and functionality of 3D structures and parts for the warfighter. Learn about current and future technologies and initiatives being undertaken to dramatically enhance AM's utility for the DoD.</i></p> <p><b><u>Panel Moderator:</u></b> <b>Dr. Alan Pentz (Confirmed)</b> AM Lead DASN (RDT&amp;E)</p> <p><b><u>Panelists:</u></b></p> <p><b>Dr. Joseph T. South (Confirmed)</b> Chief, Manufacturing Science and Technology Branch ARL</p> <p><b>Dr. Mark Benedict (Confirmed)</b> AFRL/RX AM Lead America Makes CTA</p> <p><b>Larry (L J) R. Holmes, Jr. (Confirmed)</b> Director, 3D Printing nScript</p> <p><b>Dr. Paul Allison (Confirmed)</b> Assistant Professor of Mechanical Engineering University of Alabama</p>
1:15-2:15	<p><b>Networking Lunch</b></p>
2:15-3:00	<p><b>Shaping the Future Role of Additive Manufacturing within NAVAIR</b></p> <ul style="list-style-type: none"> <li>-Using 3D printing to provide the rapid ability to manufacture parts, minimize downtime, and reduce costs</li> <li>-Guiding the MV-22 Osprey demonstration and future challenges and opportunities that additive manufacturing will encounter</li> <li>-Efforts to change the culture and evolve out of traditional means of manufacturing capabilities</li> </ul> <p><b>Gary Cote (Confirmed)</b> Principal Technical Advisor, Research and Engineering Directorate Naval Air Systems Command</p>

3:00-3:45	<p><b>Attaining Forward Momentum in Achieving Increased Soldier Readiness</b></p> <ul style="list-style-type: none"> <li>- Minimizing downtime &amp; advancing resiliency for critical components in the field</li> <li>- Efforts to lightening logistical burdens through increased efficiency in the acquisition of 3D printing parts</li> <li>- RDECOM perspective: shifting capabilities from production hubs to the operational space</li> </ul> <p><b>James L. Zunino III (Confirmed)</b>  Materials Engineer / AM Principal, Technical Lead  ARDEC, U.S. Army RDECOM</p>
3:45	<b>End of Summit</b>

**OPERATING GUIDANCE FOR MILITARY & GOVERNMENT (Federal & State) ATTENDEES:**

DSI's Summit is open & complimentary to all U.S. DoD, Federal & State employees & is considered a compliant education & training forum.

Questions, please contact Richard Giordano: 201.266.0057 | [rjgiordano@dsigroup.org](mailto:rjgiordano@dsigroup.org)

DEFENSE STRATEGIES INSTITUTE'S 3RD

# MILITARY ADDITIVE MANUFACTURING SUMMIT & TECHNOLOGY SHOWCASE

## SPONSORS

DIAMOND SPONSOR

# Deloitte.

PLATINUM SPONSOR

# Duncan Parnell

GOLD SPONSORS



[www.fed3dsupply.com](http://www.fed3dsupply.com)

To register, please visit:  
[militaryam.dsigroup.org](http://militaryam.dsigroup.org)

