

Event Schedule: Tuesday, October 17, 2023

Time	Activity	
7:00 am – 8:00 am	Registration, Breakfast, Networking, Exhibits	
8:00 am – 8:15 am	Welcome Nigel Francis CEO & Executive Director, ALMMX / LIFT John Ustica President, Siemens Government Technology	
8:15 am – 8:30 am	Welcome The Honorable Gary C. Peters United States Senator, Michigan The Honorable Haley M. Stevens United States Representative, Michigan's 11 th District	
8:30 am – 9:00 am	Army Combat Capabilities Development Command (DEVCOM) Brig. Gen. David C. Trybula Deputy Commanding General of the U.S. Army Combat Capabilities Development Command (DEVCOM) and also serves as the Senior Commander of the U.S. Army Natick Soldier Systems Center, located in Natick, Massachusetts.	
9:00 am – 9:30 am	Department of Defense Manufacturing Innovation Institutes (OSD MII) Stephen Luckowski PM DOD, Manufacturing Innovation Institutes	
9:30 am – 10:00 am	Thought Leadership Panel: What Primes Need – Partnering with Small & Medium Manufacturers Northrop Grumman Lockheed Martin Raytheon Technologies	
10:00 am – 10:30 am	Break, Networking & Exhibits	
10:30 am – 11:30 am	Keynote: Strengthening Economic Competitiveness through Regional Development <i>LIFT Puerto Rico & LIFT Florida Q&A</i> Jose Castro-Segarra Senior Business Development Officer, Aerospace + Technology Cluster, DDEC Puerto Rico John Bozek Director of Research & Strategy at Invest Puerto Rico Matt Chesnut Vice President Business and Economic Development, Space Florida	
11:30 am – 12:30 pm	Keynote: Advanced Materials and Process Strategy and Development Victor Pugliano Acting Principal Director, Advanced Materials Technology OSD R&E/OASD S&T/S&T Futures/Emerging Technologies (ET) Noel Mack Chief Technology Officer, LIFT	
12:30 pm – 1:30 pm	Lunch, Networking & Exhibits	
1:30 pm – 2:30 pm	Materials In Extreme Environments <i>Materials for Hypersonics</i> <i>Ultra-High Temperature Materials</i> Moderator: John Keogh Director, Engineering, LIFT Danielle Gerstner Branch Manager at Naval Surface Warfare Center Carderock Division (NSWCCD) Matt Raplenevich Director, Business Development, ATC Materials	Strengthening the Workforce with High-Performing, Well-Trained Talent: The Key to Manufacturing Growth <i>Identifying and Developing The Skills Needed for the Defense Industrial Base</i> Moderator: Sean Conway Chief Development Officer, LIFT Fatima Majid Manager, Talent Programs LIFT Juan M. Aguayo-Leal Director, LIFT Puerto Rico
2:30 pm – 3:30 pm	What's New & Next for the Future of DoD Manufacturing <i>Manufacturing Supply Chain for Large Components and Legacy Processes</i> <i>Automated Metallography and Analysis</i> Moderator: Amberlee Haselhuhn Director, Materials & ICME, LIFT Matt Draper Principal for Alloy Development and Processing Technology, Naval Surface Warfare Center Force, Carderock Division *Matt Feurer Technical Specialist, Army DEVCOM Ground Vehicle Systems Center	Teaching STEM Expanding the Pipeline: Shaping and Sharing Solutions <i>New Approaches to Teaching and Learning: How STEM Education is Bridging the Gap Between the Classroom and Real Life</i> Moderator: Fatima Majid Manager, Talent Programs, LIFT Martin Kinsella Technology Director, Expert Technologies Group Paul Perkins President, Amatrol Robert MaGee Executive Director, Engineering Society of Detroit Jill Spangler Stem Director, Women in Defense (WiD) Isaac Vanover STEM Instructor, LIFT

3:30 pm – 4:00 pm	Break, Networking & Exhibits <i>Meet LIFT Members</i>
4:00 pm – 5:00 pm	Manufacturing the DoD of the Future: Moving the MRL / TRL Needle <div><div>Moderator: John Keogh Director of Engineering, LIFT</div><div>Austin Mann Materials and Process Engineer, Boeing Research & Technology</div><div>Chris Allison Technology Manager - Defense, GKN Aerospace</div></div> <div><div>Mike O’Laughlin BU President, Kymera International</div><div>*Sharbari Banerjee Metallurgy, Scot Forge</div><div>*Justin McRoberts ManTech MSTP Program Manager, OUSD(R&E)</div></div>
6:00 pm – 9:00 pm	LIFT Award Program & Reception <i>Waterview Loft</i>



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8:00 am – 9:00 am	Materials In Extreme Environments <i>Materials for Hypersonics</i> Moderator: John Keogh Director, Engineering, LIFT Keith DeVries Deputy Director - OSD Manufacturing Technology, OUSD(R&E) *Allan Katz Senior Program Manager, Air Force Research Laboratory	Manufacturing USA and United States Manufacturing Innovation Council <i>Expanding U.S. Advanced Manufacturing Opportunities</i> Mike Molnar, SES Director, Advanced Manufacturing Program Office Ignasi Palou-Rivera President, United States Manufacturing Innovation Council
9:00 am – 10:00 am	Modeling & Simulation within the Defense Industrial Base <i>Leveraging ICME in the Holistic Design of Armaments</i> <i>Material Informed Digital Twins/Thread</i> Moderator: Amberlee Haselhuhn Aisha Haynes, SSTM Director, Armaments Engineering Analysis & Manufacturing Directorate *Luis Morales AlphaSTAR	Mentor Protégé Program <i>Why Growing the Defense Industrial Base is Critical and How Mentor Protégé Program Can Help You</i> Farooq Mitha Director, Office of Small Business Programs (OSBP), Department of Defense (DoD) Beth Cryderman-Moss Director, Contracts, LIFT
10:00 am – 10:30 am	Networking & Exhibits	
10:30 am – 11:30 am	Modeling & Simulation within the Defense Industrial Base <i>Common Data Model: Validation & Verification and ICME Workflow</i> <i>ICME for CMC's</i> Moderator: Amberlee Haselhuhn Director, Materials & ICME, LIFT Tony Bromwell Vice President of Engineering Operations (Design & Engineering), Americas MSC Software Rajesh Kumar Associate Director, Research Team Lead – Solid and Structural Mechanics Physical Sciences Department	LIFT Talent Roadmap <i>Address The Needs: Career Paths, Reducing Barriers, Cultivating the Skilled Workforce – They Need to Compete</i> Moderator: Robert Shaner Vice President, Talent, LIFT Fatima Majid Manager, Talent Programs, LIFT Gerald Deren Americas Academic Enablement, Siemens DISW
11:30 am – 12:30 pm	Closing the Loop with Verification and Validation <i>In-situ Monitoring in Manufacturing</i> <i>Correlating Hypersonic Simulations with Bench Tests</i> Moderator: Amberlee Haselhuhn Director, Materials & ICME, LIFT Brian Gockel Staff Research Scientist, Lockheed Martin Advanced Technology Center Kareem Ahmed Associate Professor, University of Central Florida Garrett Mattos Director Research, Friedman Research Corporation	Talent <i>Creating and Sustaining Defense Industrial Base Focused Talent Pipeline</i> Moderator: Christine Longroy Senior Director, Ecosystem, LIFT Valerie DeVries Deputy Chief of Staff for Human Capital TACOM Jess L. Key Manager of Supplier and Workforce Development Electric Boat Carrie Davis Branch Chief, Naval Surface Warfare Center, Carderock Division
12:30 pm – 12:45 pm	Closing Remarks Nigel Francis CEO & Executive Director, ALMMII / LIFT	
12:45 pm – 1:15 pm	Lunch, Networking & Exhibits	
1:45 pm	Shuttle to LIFT	
2:00 pm – 4:00 pm	LIFT Tour Technical Demonstrations at The National Advanced Materials Manufacturing Innovation Institute	
	*Invited Speakers	