



AGENDA

NSF ENGINES DEVELOPMENT GRANT: ADVANCING ADDITIVE MANUFACTURING TECHNOLOGIES (FL) THE THIRD IN A SERIES OF THREE REGIONAL WORKSHOPS "PIONEERING ADDITIVE MANUFACTURING IN SOUTH FLORIDA"

January 25 – 26, 2024

FIU, Modesto A. Maidique Campus,
11200 SW 8th St, Miami, Florida, 33199



DAY 1 - JANUARY 25, 2024

8:00 – 9:00 AM	Breakfast and Registration Earlene and Albert Dotson Pavilion Room 290 Florida International University, Modesto A. Maidique Campus, 11200 SW 8th St, Miami, Florida, 33199
9:00 – 9:30 AM	Welcome Remarks & Introduction Opening: Benjamin Boesl, Associate Department Chair, Mechanical and Materials Engineering, Florida International University <ul style="list-style-type: none">• Neal Orringer, Chief Executive Officer, ASTRO America• Ines R. Triay, Interim Dean, College of Engineering and Computing, Florida International University• Arvind Agarwal, Chair, Mechanical and Materials Engineering & Distinguished University Professor, Florida International University• Matthew R. Rocco, President, South Florida Manufacturers Association
9:30 – 10:00 AM	Keynote Address I Brian R. Neff, Chief Executive Officer, Sintavia LLC
10:00 – 10:15 AM	Networking & Break
10:15 – 10:55 AM	Moderated Discovery Session 1 Use Inspired Research and Translation of Innovation to Production I Moderator: Shekhar Bhansali, Distinguished University Professor, Electrical Engineering, Florida International University Panelists <ul style="list-style-type: none">• Aaron Nardi, Chief Technology Officer, VRC Metal Systems, LLC• Doron Merdinger, Founder and Chief Executive Officer, Doroni Aerospace• Julie Christodoulou, Former Director, Naval Materials Research Division S&T, Office of Naval Research• Pedro Hernandez, Director, Technology Management and Commercialization, Florida International University
10:55 – 11:25 AM	Keynote Address II Thomas N. Ackerson, Principal Materials & Process Engineer - Metallurgy, Blue Origin LLC
11:25 – 11:55 PM	Keynote Address III Major General John F. Wharton (U.S. Army Ret.), Chairman and Chief Executive Officer, The Global Collective
12:00 – 1:00 PM	Lunch and Networking
1:00 – 1:30 PM	Plenary Session I Introduction: Dwayne McDaniel, Associate Professor, Mechanical and Materials Engineering, Florida International University William A Ramos, Senior Advisor to the Assistant Secretary for Economic Development, Economic Development Administration, United States Department of Commerce

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1:30 – 2:10 PM	<p>Moderated Discovery Session 2 Workforce Needs & Development – Training, Resources & Approach Moderator: Gretchen Sauerma, Senior Director of Development, College of Engineering and Computing, Florida International University Panelists:</p> <ul style="list-style-type: none">• Bridgette E. Cram, Vice President, Academic Affairs: Student Success Operations and Integrated Planning, Florida International University• Carlos Genatios, Director, Engineering, Technology and Design, Miami-Dade College• Irene Revelas, Co-Chair, Workforce Readiness Committee, South Florida Manufacturers Association• Melanie Spare, Academic Enablement Director, Siemens Digital Industries Software Division
2:10 – 2:20 PM	<p>Regional Update Jennifer Baez, Innovation and Economic Development, Strategy and Data Lead, Miami-Dade County</p>
2:20 – 3:00 PM	<p>Moderated Discovery Session 3 Regional Initiatives & Ecosystem Development Moderator: Beth Cicchetti, Executive Director, Florida Economic Development Council Panelists:</p> <ul style="list-style-type: none">• James Kohnstamm, Executive Vice President, Economic Development, Miami-Dade Beacon Council• Kevin Carr, Chief Executive Officer, FloridaMakes• Richard 'Rick' Miller, Captain, US Navy (Ret.), Executive Director, South Florida Defense Alliance• Todd Holt, Vice President, Business Development, The Greater Fort Lauderdale Alliance
3:00 – 3:10 PM	<p>Networking & Break</p>
3:10 – 3:45 PM	<p>Moderated Discovery Session 4</p> <ul style="list-style-type: none">• 4A: Market Requirements<ul style="list-style-type: none">○ Moderator: Neal Orringer, Chief Executive Officer, ASTRO America○ Panelists: Gregory Colvin, Technology Fellow, Advanced Manufacturing, Honeywell Aerospace Jesse Boyer, Fellow, Additive Manufacturing, RTX Corporation, Invited Jose Calderon, Senior Director, Research and Development, Stryker Corporation Mitchell Rife, Engineering Manager, Additive Manufacturing, Delta Airlines
3:45 – 4:20 PM	<ul style="list-style-type: none">• 4B: Supply Chain Needs<ul style="list-style-type: none">○ Moderator: David E. Paredes, Additive Manufacturing Research and Development Project Engineer, Global Advanced Manufacturing Programs, ASTM International○ Panelists: Christina Kurth, Vice President of Sales, Sintavia LLC Frank Marangell, Chief Executive Officer, UGOGO3D John B. Rogers, Jr., Co-Founder and Chief Executive Officer, Haddy Inc. William Cuervo, Vice President of Sales, 3YOURMIND, North America
4:20 – 4:25 PM	<p>Networking + Break</p>

DAY 1 - JANUARY 25, 2024

- 4:25 – 5:00 PM **Moderated Discovery Session 5**
Opportunity for All
- **Moderator:** Darryl A. Dickerson, Assistant Professor, Mechanical and Materials Engineering, Florida International University
- Panelists**
- Andrea Lara, Manager, Manufacturing Engineering, Stryker Corporation
 - Andrew Green, Associate Director, Center for Diversity and Student Success, Florida International University
 - Justin E. Cloud, Chief Engineer, L3Harris Technologies & Founder, The Cloud Family Foundation
- 5:00 – 5:05 PM **Wrap-Up Message**
Dwayne McDaniel, Associate Professor, Mechanical and Materials Engineering, Florida International University
- 5:05 – 6:30 PM **Reception & Poster Presentation**

DAY 2 - JANUARY 26, 2024

- 8:00 – 9:00 AM **Breakfast**
- 9:00 – 9:15 AM **Summary of AAMT Workshops #1 & #2**
Call to Order: Dwayne McDaniel, Associate Professor, Mechanical and Materials Engineering, Florida International University
Neal Orringer, Chief Executive Officer, ASTRO America
- 9:15 – 9:25 AM **University Welcome Note**
Kenneth A. Jessell, President, Florida International University
- 9:25 – 9:50 AM **University Keynote Address IV**
William Anderson, Associate Vice President for Research, Florida International University
- 9:50 - 10:20 AM **Plenary Session II**
David Tatro, Vice President of Operations, Lockheed Martin
- 10:20 – 10:30 AM **Networking & Break**
- 10:30 – 11:15 AM **Extended Moderated Discovery Session 6**
Use-Inspired Research and Translation of Innovation to Production II
Moderator: Jason Gorey, Executive Director, ASTRO America
Panelists:
- Cam Chidiac, Co-Founder and Chief Executive Officer, Thaero
 - Jared Blecher, Director of Additive Technology, ASTRO America
 - Robert H. Hacker, Director, StartUP FIU, Florida International University
 - Sebastian Piegert, Head of Additive Manufacturing Technology, Siemens Energy
 - Sudipta Seal, Chair and Pegasus Professor, Materials Science and Engineering, University of Central Florida
- 11:30 – 12:00 PM **Closing Remarks & Next Steps**
- Neal Orringer, Chief Executive Officer, ASTRO America
 - Dwayne McDaniel, Associate Professor, Mechanical and Materials Engineering, Florida International University
- 12:00 – 1:00 PM **Visit to Facilities**
Cold Spray and Rapid Deposition Laboratory (OU 121)
Plasma Forming Laboratory (OU 102)
Advanced Materials Engineering Research Institute

All facilities are located at:

Center for Engineering and Computing, Florida International University
10555 West Flagler Street, Miami, Florida, 33174