

RAMP MD'S 10TH ANNIVERSARY SYMPOSIUM

From Prototyping to Production:

The Growth and Potential of Advanced Manufacturing

CONVERGE Innovation Center • 1201 Technology Dr. • Aberdeen, MD • October 9, 2024

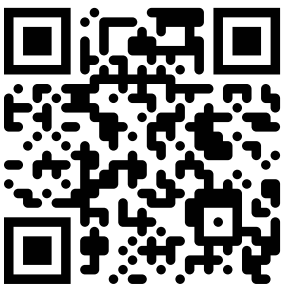
Welcome to the Regional Additive Manufacturing Partnership of Maryland's (RAMP MD) Annual Symposium

Overcome the challenges of scaling

**Explore the latest
advancements in
materials, technologies,
and methodologies**

**Learn what is shaping the
future of advanced manufacturing**

This Symposium explores the decisions and opportunities that arise across the lifecycle of "prototype to production," focusing on the transformative journey from prototypes to scalable solutions and featuring industry leaders and academic pioneers. Check back at rampmd.org/symposium for presentations and materials from today's event.



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RAMPMD.ORG/SYMPOSIUM

For more information, email
info@rampmd.org, or visit
rampmd.org.



Symposium Agenda

8:00 a.m. Coffee and Networking

9:00 a.m. Welcome Remarks **Mark Schlein**, RAMP MD Executive Director

10th Anniversary Remarks **Chris Cosgrove**, RAMP MD Chairman

..... **Brigitte Peters**, MD Dept. of Commerce Senior Business Development Representative

..... **Karen Holt**, Harford County Office of Economic Development Director

Partnership Renewal **Michael Bailey**, U.S. Army DEVCOM Chemical Biological Center Technical Director

SESSION ROOM A

9:30 a.m. Panel 1: The Role of Additive and Advanced Manufacturing Across All Product Management Phases
Chad Schneider, Root3Labs
Dr. Brad Baker, Energetics Technology Center
Greg Paulsen, Xometry
Jim Snodgrass, Cimquest

10:30 a.m. Break

10:45 a.m. Panel 1: The Role of Additive and Advanced Manufacturing Across All Product Management Phases
Chad Schneider, Root3Labs
Dr. Brad Baker, Energetics Technology Center
Greg Paulsen, Xometry
Jim Snodgrass, Cimquest

11:45 a.m. Lunch

12:45 p.m. Panel 3: The Role of Advanced Materials in Product Development and Management
Ken Malone, Early Charm Ventures
Dr. Sean Wise, Repliform
Conrad Laskowski, Root3Labs

1:45 p.m. Break

2:00 p.m. Panel 3: The Role of Advanced Materials in Product Development and Management
Ken Malone, Early Charm Ventures
Dr. Sean Wise, Repliform
Conrad Laskowski, Root3Labs

3:30 p.m. Closing Discussion

SESSION ROOM B

9:30 a.m. Panel 2: The Role of Automation, Artificial Intelligence/Machine Learning in Product Management
Todd Marks, Mindgrub
Brad Hennesie, Next Step Robotics
Ben McGlaughlin, MD Dept. of Commerce
Chris Cosgrove, SURVICE Engineering

10:30 a.m. Break

10:45 a.m. Panel 2: The Role of Automation, Artificial Intelligence/Machine Learning in Product Management
Todd Marks, Mindgrub
Brad Hennesie, Next Step Robotics
Ben McGlaughlin, MD Dept. of Commerce
Chris Cosgrove, SURVICE Engineering

11:45 a.m. Lunch

12:45 p.m. Panel 4: Outlook for the Future of Advanced Manufacturing
Ben McGlaughlin, MD Dept. of Commerce
Stacey Clark, New Jersey Innovation Institute
Andy Davis, The Barnes Global Advisors
Mick Maher, ASTRO America

1:45 p.m. Break

2:00 p.m. Panel 4: Outlook for the Future of Advanced Manufacturing
Ben McGlaughlin, MD Dept. of Commerce
Stacey Clark, New Jersey Innovation Inst.
Andy Davis, The Barnes Global Advisors
Mick Maher, ASTRO America

What are the Five Critical Cybersecurity Components You Must Have In Place to Protect Your Business?



Next Gen Firewall for Edge Security



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Learn More!

- 1** Maryland Manufacturing 4.0 Grant Program provides grants to small and mid-sized Maryland manufacturers for Industry 4.0 technologies.
- 2** The Maryland Innovation Lab provides startups opportunities to partner with corporate leaders to solve industry challenges.
- 3** The Partnership for Workforce Quality provides matching training grants to small and mid-sized manufacturing and technology companies.
- 4** Through EARN Maryland, companies receive funding to administer workforce training programs. Offered by Department of Labor
- 5** The Maryland Apprenticeship and Training Program helps build your manufacturing workforce. Offered by Department of Labor

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RAMP MD was formed by the Maryland General Assembly in 2014 to expand the state's capabilities in additive and advanced manufacturing. RAMP MD is a consortium of private businesses, educational institutions, and governmental agencies, working together to:

- Provide businesses access to advanced manufacturing facilities, equipment, and expertise
- Build an advanced manufacturing ecosystem to support the manufacturing industrial base
- Educate a supporting workforce

Over its 10 years of service, RAMP MD has helped hundreds of companies access equipment and expertise commonly beyond the means of small and medium businesses. Through RAMP MD, companies partner with the U.S. Army Combat Capabilities Development Command (DEVCOM) Chemical Biological Center, which offers unique advanced manufacturing capabilities and expertise garnered over its 40 years in digital manufacturing.

RAMP MD
CONVERGE Innovation Center
1201 Technology Drive
Aberdeen, MD 21001

For more information, email info@rampmd.org, or visit rampmd.org.

RAMP MD currently holds partnership agreements with over 25 industry partners and is in the process of negotiating more. Additionally, RAMP MD has worked with local educational institutions to develop pathways into manufacturing careers.

RAMP MD offers webinars on current topics in advanced manufacturing and an annual symposium. It also hosts networking events. More information can be found at rampmd.org. Please join our Event Notification list to learn about upcoming opportunities.

For more information about RAMP MD or about partnering with DEVCOM CBC, contact RAMP MD Executive Director Mark Schlein at 410-812-1464 or mark.schlein@rampmd.org.

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