



GRAND OPENING AND SPRING MEETING Friday April 28, 2023

Date and Time: April 28, 2023, 11:00 AM – 3:30 PM (lunch provided)
Meeting Location: **Physical Sciences Building (PSB)**
Cornell University
245 Feeney Way, Ithaca, NY 14853

Room 120 PSB

11:00 – 11:15 AM	<u>Welcome and Hub Video</u> <i>Patrick Govang, Co-Director, AFRL Regional Hub Network – Mid-Atlantic, Cornell University</i>
11:15 – 11:20 AM	<u>Welcome Remarks</u> <i>Emmanuel Giannelis, Co-Director, AFRL Regional Hub Network – Mid-Atlantic, Cornell University</i>
11:20 – 11:25 AM	<u>Welcome Remarks</u> <i>Brian McJilton, Director - Small Business, AFRL</i>
11:25 – 11:40 AM	<u>Project Presentation #1</u> <i>Tejus Shastry, PhD Candidate, Columbia University, New York City</i> Machine learning driven optimal design of self-healing vitrimer composites for multifunctional coatings
11:40 – 11:45 AM	<u>Project Presentation #1 (AFRL)</u> <i>Dhriti Nepal, Research Materials Engineer, AFRL</i>
11:45 – 11:50 AM	<u>Introduction of Dr. Timothy J. Bunning</u> <i>Dr. Richard A. Vaia, Chief Scientist for the Materials and Manufacturing Directorate, AFRL</i>
11:50 – 12:10 PM	<u>Keynote</u> <i>Dr. Timothy J. Bunning, Chief Technology Officer, AFRL</i>

Baker Portico

12:10 PM	<u>Lunch</u>
1:15	<u>Hub Ribbon Cutting</u> <i>With Lynden Archer, Joseph Silbert Dean of Engineering; James A. Friend Family Distinguished Professor in Engineering</i>

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REGIONAL HUB NETWORK
MID-ATLANTIC

Room 120 PSB

- 1:35 – 1:50 PM Project Presentation #2
Ilayda Samilgil, Co-Founder and CEO, Organic Robotics Corporation
Light lace for quantifying performance in extreme environments
- 1:50 – 1:55 PM Project Presentation #2 (AFRL)
Hilmar Koerner, Research Lead for Polymer Matrix Composites Materials and Processes, AFRL
- 1:55 - 2:10 PM Project Presentation #3
Buz Barstow, Assistant Professor of Biological and Environmental Engineering, Cornell University
Microfluidic-accelerated directed evolution for sustainable rare earth separation
- 2:10 – 2:15 PM Project Presentation #3 (AFRL)
Nancy Kelley-Loughnane, Biological Materials and Processing Research Team Lead, AFRL
- 2:15 - 2:30 PM Project Presentation #4
Sadaf Sobhani, Assistant Professor of Mechanical and Aerospace Engineering, Cornell University
Photopolymerization-based ceramic additive manufacturing for extreme environments
- 2:30 – 2:35 PM Project Presentation #4 (AFRL)
Lisa Rueschhoff, Materials Research Engineer, AFRL
**Presentation via Zoom*
- 2:35 – 2:40 PM Wrap up and Announce Spring Solicitation Awards

Baker Portico

- 2:40 – 3:30 PM Networking Reception
- 3:30 PM Close