

ANNUAL MEETING
Thursday, November 9, 2023

Date and Time: Thursday, November 9, 2023, 7:30 AM – 5:00 PM

Meeting Location: **Griffiss Institute**
592 Hangar Rd STE 200, Rome, NY 13441

7:30 AM Registration / Check-in Opens

8:30 – 8:45 AM Welcome Remarks, Introductions, Hub Update, and Space Consortium Announcement
Heather Hage, President and CEO, Griffiss Institute
Emmanuel Giannelis, Co-Director, AFRL Regional Hub Network – Mid-Atlantic, Cornell University
Patrick Govang, Co-Director, AFRL Regional Hub Network – Mid-Atlantic, Cornell University
Greg Ray, Director of Strategic Projects, Cornell High Energy Synchrotron Source (CHESS), Cornell University

8:45 – 8:55 AM AFRL Strategic Partnership Update
Dr. B Elizabeth "Rambeaux" Escamilla, AFRL/SPC Division Chief, Collaboration & Engagement

8:55 – 9:55 AM Keynote
Col. Aneel "Cramden" Alvares, Director of Defense Engagement at the Defense Innovation Unit

9:55 – 10:35 AM Project Presentations
Real-time hyperspectral anomaly detection via UAV (theme: edge computing)
Jayson Boubin, Assistant Professor, Binghamton University
Exploring ReRAM-Accelerated Neuromorphic Computing for Low-SWaP IoT/Edge Spectrum Sensing, Learning, and Prediction
*Nate Cady, Associate Dean for Research, Professor
College of Nanotechnology, Science, and Engineering
Department of Nanoscale Science & Engineering, SUNY Albany*
Regenerative cooling to enable high power electric propulsion on orbit
Elaine Petro, Assistant Professor, Cornell University
Light lace for quantifying performance in extreme environments
Philip Buskohl, Materials Research Scientist, AFRL RX

10:35 – 10:45 AM Break
Coffee and refreshments

Speed Networking Chair: *Seth Mulligan, Chief Operations Officer, Griffiss Institute*

10:45 – 11:45 AM Opening Remarks
Dr. Mark Linderman, Chief Scientist of the AFRL Information Directorate

Keynote
Dr. Sarah Muccio, Deputy for DAF Technical Advisor for C4I & Cyber for the Air Force Research Laboratory, Information Directorate, Rome, NY

11:45 AM – 1:00 PM

Lunch +
Speed Networking

Polish up your elevator pitch, grab your business cards and QR links to your vCard, and get ready to feel the expansive network of the Mid Atlantic HUB. This session is a rapid rotation of networking introductions, in pairs and small groups. We will take into consideration any of your preferred connection types indicated in your registration and round them out with other valuable introductions. Too fast – don't worry, carry your conversations into lunch."

Facility Tours - Not interested in Speed Networking? We're happy to highlight some of the facilities and resources at the Griffiss Institute

Afternoon Workshops

Workshop #1: Talent Development Workshop

Chair: *Heather Hage, President and Chief Executive Officer, Griffiss Institute*

1:00 – 2:00 PM

Panel Discussion

Dr. Ngwe Thawdar, AFRL Technical Lead, Ultra-broadband Long-range Terahertz Communications

Kaylon Paterson, CEO, Paterson Aerospace

Beth Bowers, Chief Human Resources Officer and Senior Vice President, Assured Information Security

Dr. Michael Carpenter, Interim Dean of Engineering, Associate Provost for Research, SUNY Polytechnic Institute

Todd Humiston, Chief Talent Officer, Griffiss Institute

2:00 – 3:30 PM

Working Sessions

Workshop #2: Collaborative Computing Infrastructure

Chair: *Dr. Lauren Ferguson, Digital Transformation Lead, AFRL RX*

1:00 – 2:00 PM

Panel Discussion

Matt Carbone, Assistant Computational Scientist, Brookhaven National Laboratory

Ralph Kohler, Principal Engineer/Senior Advisor, AFRL RI

Andreas Savakis, Professor of Computer Engineering Director, Center for Human-aware AI (CHAI), Rochester Institute of Technology

John Spatola, Innovation Lead, Strategic Portfolio Office, Saab, Inc.

2:00 – 3:30 PM

Working Sessions

3:30 – 3:50 PM

Workshop Report Outs

Talent Development

Collaborative Computing Infrastructure

3:50 – 4:00 PM

Awardee Announcements

Funding award announcements for the Fall 2023 cycle

4:00 – 5:00 PM

Networking

Refreshments and cash bar