

Runways to Rome

**17th Annual International Conference
on
Cyber Warfare and Security**

March 17, 2022



MERGING BUSINESS

AND TECHNOLOGY

GRIFFISS INSTITUTE
CENTER FOR INFORMATION ASSURANCE

WHERE EPIC BEGINS.



AFRL

THE AIR FORCE RESEARCH LABORATORY

LEAD | DISCOVER | DEVELOP | DELIVER



ROME
the copper city

NEW YORK STATE

ONONDAGA COUNTY
1798
NEW YORK



SUNY

NYSTEC
YOUR INDEPENDENT TECHNOLOGY ADVISOR



NUAIR
MAKING FUTURE SKIES SAFER

AX Enterprise





INNOVARE
ADVANCEMENT CENTER

IS

POWERED BY GRIFFISS INSTITUTE

In the next five years, Innovare will **boldly transform** the Rome ecosystem into a global destination for the world's leading scientific and entrepreneurial talent to tackle the country's greatest challenges to national security and economic competitiveness.

Goal 1: Build Rome's runway to the world by engaging a global community of **100 diverse partners** to introduce game-changing capabilities built on Air Force core strengths in Artificial Intelligence/Machine Learning, Quantum, Cyber & Unmanned Aerial Systems

Goal 2: Advance the economy with **100 entrepreneurial ventures** and tech startups

Goal 3: Elevate by 10% our community's intellectual leadership in Artificial Intelligence/Machine Learning, Quantum, Cyber & Unmanned Aerial Systems

HOW

Emerge as a global catalyst to converge world-class talent with cutting edge facilities and focused technology challenges to accelerate the development of game-changing capabilities that protect and empower our Country.

STRATEGIC PARTNERS



GRIFFISS
INSTITUTE

ROME
the copper city



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GRIFFISS
INSTITUTE

is a

**STEM Talent + Technology
*Accelerator***

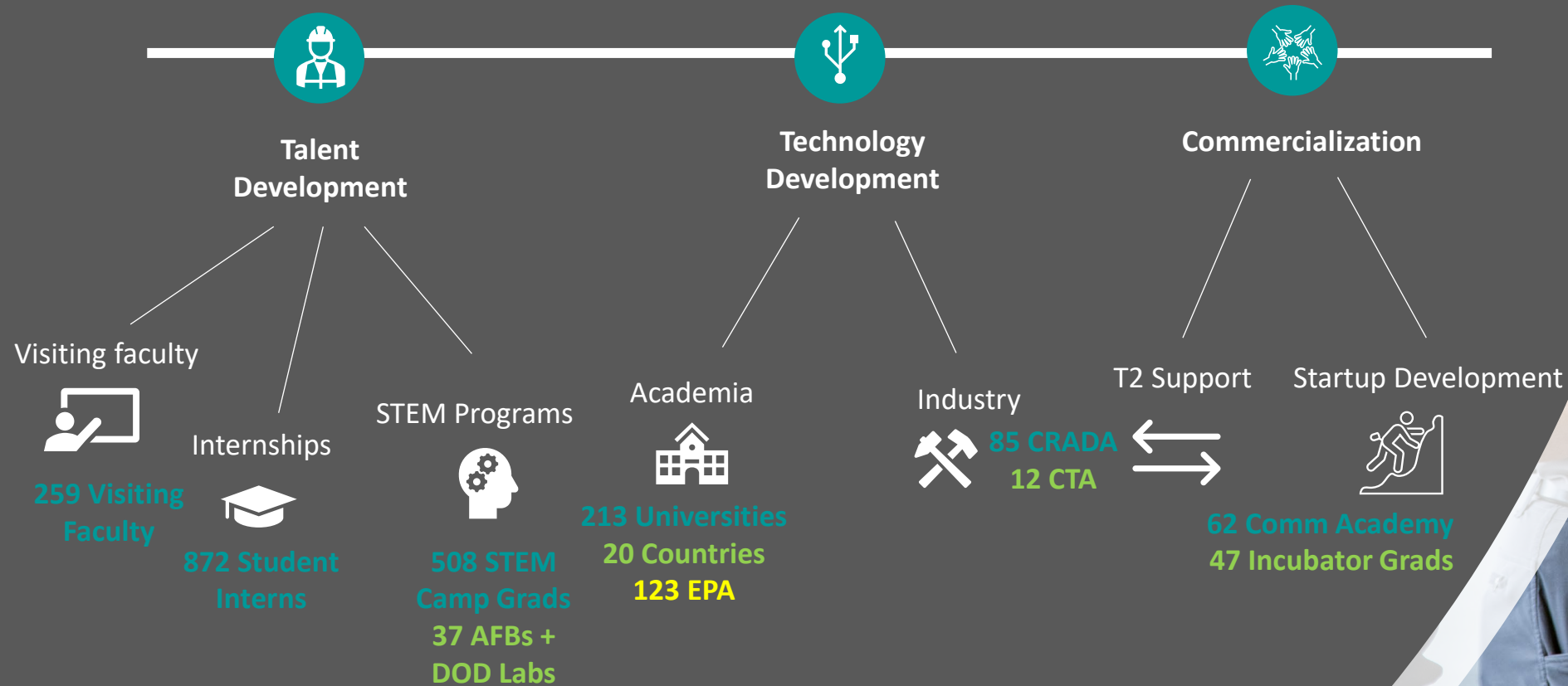
for
AFRL

OUR MISSION

The Griffiss Institute aims to develop the next generation of STEM talent and defense technologies that will strengthen U.S. national security and create economic opportunity for our region, state and nation.

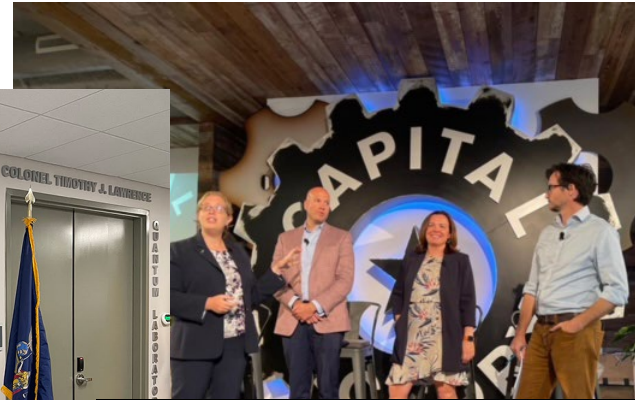
We elevate TALENT
We empower INNOVATION
We enable EXPERIENCE

How does the Griffiss Institute accomplish its mission in partnership with AFRL/RI?



Reporting Period: 2016-2021

Special Events + Distinguished Visitors



Program Partnerships



ACE

2022 ACE Program

A combination of **intense coursework** and **internship experiences**.



Monday	Tuesday	Wednesday	Thursday	Friday
8 mile run	ACE Lecture	Leadership	Research	Ldr Perspectives
Team presentations	Challenge Problem	Research	Research	Operation
ACE Lecture	Research	Research	Research	Research
Work on challenge problem, write report, build mission infrastructure				

Participants receive 180 hours of direct instruction, 12 credit hours

THE ADVANCED COURSE IN ENGINEERING



ADVANCED COURSE IN ENGINEERING

Cybersecurity Bootcamp



Forging Cyber Warriors & Leaders of Consequence

ACE immerses participants in the cybersecurity discipline through a combination of intense course work and internship experiences.

Attendees in ACE are ambitious. They push their limits and devote 80+hours a week to ACE related activities during this life changing experience.

Learn from the Best.

Participants attend twelve hours a week of graduate level lectures on cybersecurity topics from academia, government, and industry experts.



Train to Win.

Each week ACE interns execute a multidomain operation in a rich cyber and kinetic battlespace. These distributed operations combine cyber expertise with operational planning skills and warfighting fundamentals to translate operational end states into tactical actions.

Develop and Discover.

ACE interns contribute to cutting edge research and development programs with a dedicated mentor to enhance the technical superiority of the Air Force and DOD community.

ACE products improve Air Force cyber capability. They deploy to major exercises and integrate with operations.

Push Your Limits.

Develop yourself as cyber professional and officer. The ACE provides a **stipend, travel, and lodging** to all participants.

afrl.ace@us.af.mil
www.ace-cyber.com





Hack:
A-Sat

Capture the Flag,
meet Satellite...

2,912

players made up

1,070

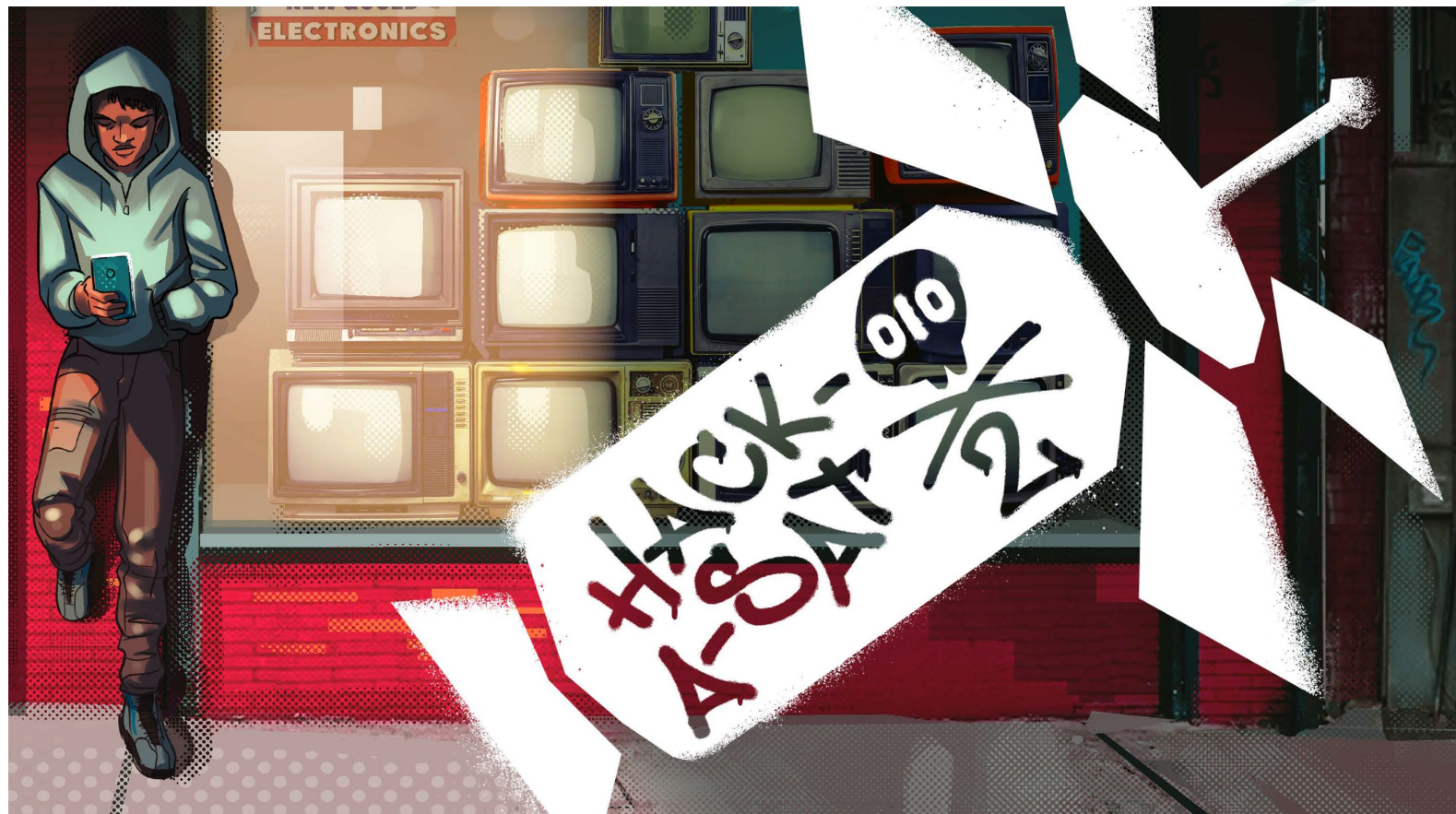
team representing

75

countries and competed for

30

hours



SHOW US YOUR

HUSTLE

HELPING UPSTATE SCIENCE + TECHNOLOGY LEADERS + ENTREPRENEURS

GOOD THINGS HAPPEN TO THOSE WHO HUSTLE



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Come for a Visit