



# NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

September 23 – 25, 2019 | Minneapolis, MN

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## NSF Program (either CC or CICI):CC

**Program Area:** Campus  
Cyberinfrastructure

**Award Number:** 1925704

**PI:** Sheryl Reinhard

**co-PIs:**

Brad Maloney, Rehana Leak, Hank McCarthy, Don Moskiewski

**Project Title:** CC\* Networking Infrastructure: A High-Performance Science  
DMZ and Dedicated Research Network for Duquesne University



**Sheryl Reinhard**

Director, IT Infrastructure  
Duquesne University  
[Reinhard@duq.edu](mailto:Reinhard@duq.edu)

**Brad Maloney**

Manager, Secure Integrated  
Infrastructure  
Duquesne University  
[maloneyb@duq.edu](mailto:maloneyb@duq.edu)

**Rehana Leak, PhD**

Associate Professor  
Duquesne School of Pharmacy  
[leakr@duq.edu](mailto:leakr@duq.edu)

**Hank McCarthy**

Manager, Network and  
Telecommunications Services  
Duquesne University  
[mccarthyh@duq.edu](mailto:mccarthyh@duq.edu)

**Don Moskiewski**

Senior Network Engineer  
Duquesne University  
[Moskiewski@duq.edu](mailto:Moskiewski@duq.edu)



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## Quad Chart for:

## CC\* Networking Infrastructure: A High-Performance Science DMZ and Research Network for Duquesne University

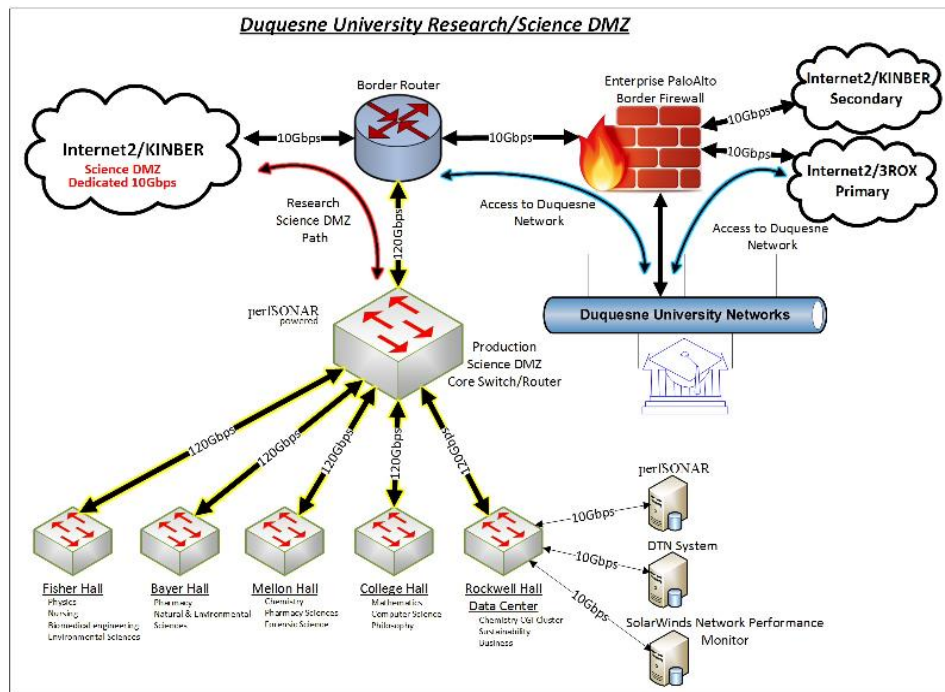
### Approach:

Duquesne will establish a dedicated research network and Science DMZ for the facilitation of science driven research, education and collaboration.

The Science DMZ will connect research faculty, students and labs to a dedicated, segmented, 120Gb network and to provide research-based technologies to facilitate the unrestricted movement of large data sets and the use of current and new science-driven applications.

### Deliverables:

- 120Gb Research Network
- Globus DTN
- Connect areas of research in 5 Science buildings to the Science DMZ
- Dedicated 10Gb KINBER link (University funded) for I2 connection
- Security and monitoring



### Scientific Impact :

- A secure, scalable and sustainable Cyberinfrastructure to meet the demands of current science-driven applications and the expected continued growth in high performance computing, file transfer, data storage and advanced networking capabilities.
- Improved collaboration with the research community and the use of Science-driven applications.
- Access to National Research Sites and HPC Resources
- Extend STEM Program outreach to underserved areas.