



NSF Campus Cyberinfrastructure PI and  
Cybersecurity Innovation for Cyberinfrastructure PI Workshop  
October 18-20, 2016 | Philadelphia, PA

**NSF Program:** CC\*IIE Networking Infrastructure

**Program Area:**

**Award Number:** 1440477

PI: Jack Suess, U. of MD, Baltimore County (UMBC)

co-PI: Don Engel, UMBC

co-PI: Matthias Gobbert, UMBC

**Project Title:** Enabling Big Computing and Data Intensive  
Cyberinfrastructure (EBCDIC)

**Project Goals:**

- Redesign the campus network for 100 Gb to better support data-intensive computing.
- Upgrade Internet2 connection to MidAtlantic Crossroads (MAX) Gigapop for fastest possible connection to Internet2
- Deploy software-defined networks (SDNs) on campus to: (1) enable big-data, low latency projects, (2) increase UMBC participation in the Global Environment of Network Innovation (GENI), (3) advance UMBC cybersecurity research



**Jack Suess (PI)**  
VP for IT and CIO  
UMBC  
[jack@umbc.edu](mailto:jack@umbc.edu)



**Matthias Gobbert (Co-PI)**  
Professor of Mathematics  
UMBC  
[gobbert@umbc.edu](mailto:gobbert@umbc.edu)



**Don Engel (Co-PI)**  
AVP for Research  
UMBC  
[donengel@umbc.edu](mailto:donengel@umbc.edu)