



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

**NSF Program: CC\*DNI**

**Award Number: 1541368**

**Program Area: Networking Infrastructure**

PI: Deniz Gurkan, PhD, University of Houston

co-PI: Nicholas Bastin, University of Houston

**Project Title: Custom Science DMZ per Research Lab with a  
Secure Invitation to Opt-In**

**Project Goals:**

- Goal 1: deploy network function instantiation (NFI) within main distribution frame (MDF) components at strategic buildings with research labs on university campuses;
- Goal 2: implement an interdisciplinary data sharing isolated network customized for an air quality and healthcare research use case;
- Goal 3: deploy the NFI capability as a pilot on LEARN (Lonestar Education and Research Network) for future support of science data flows

PI



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