



NSF Campus Cyberinfrastructure PI and  
Cybersecurity Innovation for Cyberinfrastructure PI Workshop  
October 3-4 | Albuquerque, New Mexico

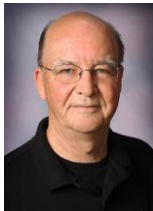
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**NSF Program (either CC or CICI): CC\*DNI**

**Program Area: Campus Design Award Number: 1541394**

**PI: David Schmidt**

**Project Title: CC\*DNI Campus Design: Enhanced Data Delivery  
at Fort Hays State University**



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Project Goals:

- Create a Science DMZ
- Create a high-bandwidth infrastructure for research scientists
- Train the researchers to use the infrastructure and have the researchers train other FHSU faculty and students



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**Quad Chart for:**      *Enhanced Data Delivery at Fort Hays State University*

**Challenge:**

- Antiquated infrastructure
- No Science DMZ
- Faculty need training on using the new DMZ and Data Transfer Node
- Researchers relatively isolated
- Equipment took a long time to install and configure
- Grant generated more demand

**Solution(s):**

- New core router, border router, fiber to the desktop (or server), Globus server, PerfSONAR
- Created DMZ
- Use staff to train faculty and faculty to train other faculty
- Highlighted NSF researchers at recorded Science Café presentations
- Infrastructure is now ready to use
- Some extra money in the grant should stretch



**Scientific Impact:**

- Good progress on safety standards for lasers on human retinas.
- Progress on research on tornados in “tornado alley”
- Progress on weather related mortality rate research
- Student researchers are gaining valuable experience.

**Metadata tag:**

- *Ready for transition to practice!*
- *Publications pending*
- *Student engagement*