



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

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NSF Program: CC*DNI

Program Area: CAMPUS DESIGN **Award Number:** 1541342

PI: Mark (Adam) Klemann, Malone University

co-PIs: Jason Courter, Shawn Campbell, James Shaffer

Project Title: Supporting Scientific Research Using Technology at Malone and other Small Institutions

Project Goals:

- Implement an advanced network with application-level network visibility to optimize researcher connections to peer institutions including a ScienceDMZ, InCommon, and Internet2
- Upgrade local network infrastructure to facilitate connectivity for researchers
- Create a pool of technical support resources to directly support campus researchers



M. Adam Klemann

CIO

Malone University

aklemann@malone.edu



Dr. Jason Courter

Assistant Professor of
Biology

jcourter@malone.edu



Shawn Campbell

Senior Systems Analyst

scampbell@malone.edu



James Shaffer

Senior Network Engineer

jshaffer@malone.edu



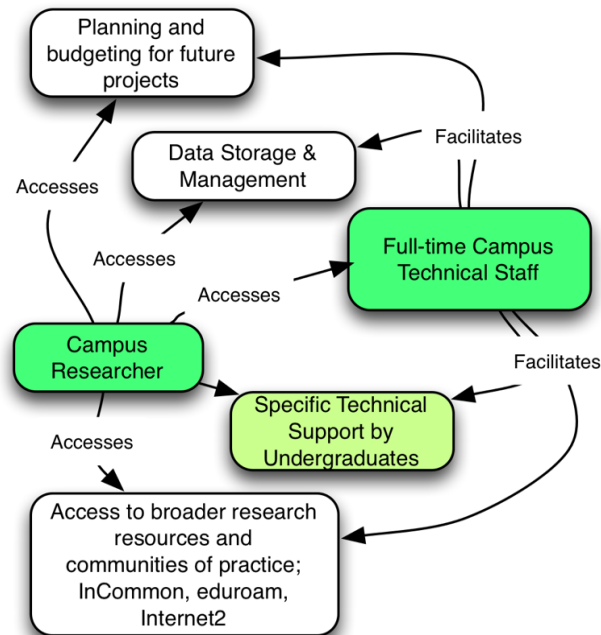
Quad Chart for: Supporting Scientific Research Using Technology at Malone and Other Small Institutions

Challenge or Approach: Maximize impact of small research projects by leveraging technology and technological expertise

- Pair Researchers with Undergraduates with technical (programming, data analysis, etc.) expertise.
- Provide storage and processing resources to campus research projects
- Educate campus researchers about external resources available from the wider research community

Solution(s) or Deliverables: Model of Technical Research Support for Small Campuses

- For planning new projects
- For mentoring undergraduates who are supporting a research project.
- For facilities and oversight for sustaining data sets and support systems



Scientific Impact or Broader Impact:

- Multiple deliverables [current and upcoming] in the areas of avian biology, epidemiology (arbovirus research), psychology, pain management in chronic diseases, etc.
- Sharing of the support model with other small campuses
- Sharing of developed research systems with similar small campus researchers

Metadata tag:

- project url: <http://sites.malone.edu/srutech/>
- Ready for transition to practice!
- Need collaborators!
- Student engagement

