



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

October 3-4 | Albuquerque, New Mexico

NSF Program : CC

Program Area: ACI

Award Number: 1541346

PI: Bruce Segee

co-PIs: Jeff Letourneau

**Project Title: CC*DNI Engineer: Cyber Infrastructure Engineer to
Improve Research Effectiveness Across the University of Maine
System**



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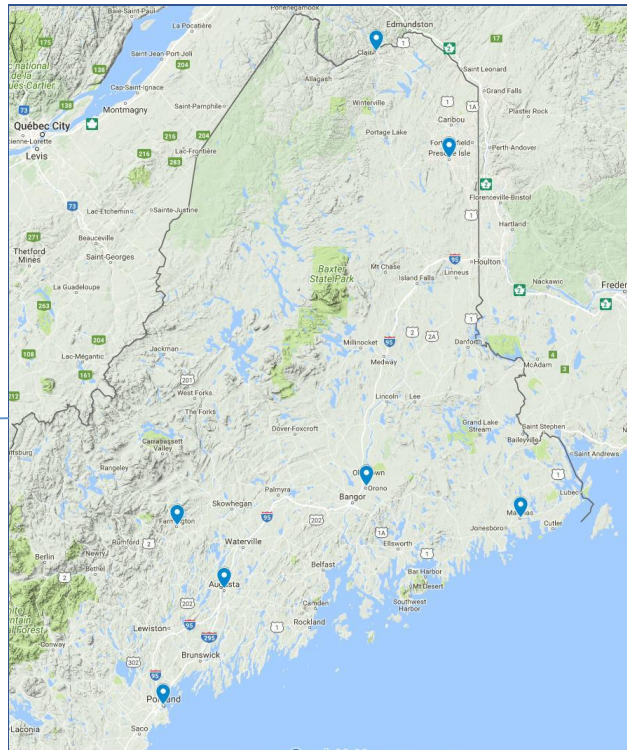
Quad Chart for: *CC*DNI Engineer: Cyber Infrastructure Engineer to Improve Research Effectiveness Across the University of Maine System*

Challenges:

- Rural, Poor, geographically dispersed, and fiercely independent
- Changing the way people think
- For most researchers the computer should be the tool not the research focus
- Too much duplication of effort and dilution of resources

Solution(s):

- Talk to people
- Organize interest groups
- Direct hands-on support
- Create tools and methods to make it sustainable
- Virtual Computer Labs
- Virtual seminars



Broader Impacts:

- Teaching middle schoolers to program using Minecraft and UMS cloud resources
- Improving cybersecurity education across the University of Maine System
- Improving communication/collaboration between researchers
- Improving research productivity

Metadata tag:

- <https://acg.umaine.edu/>
- Expanded Engagements
 - Forestry
 - Multi-threaded GA-SVM
 - Genetic Algorithm of Tree Spread
 - Climate Change Institute
 - Sub-Saharan weather reports
 - CyberSecurity
 - Virtual Computer Lab
- <Regional CyberTeam Grant>