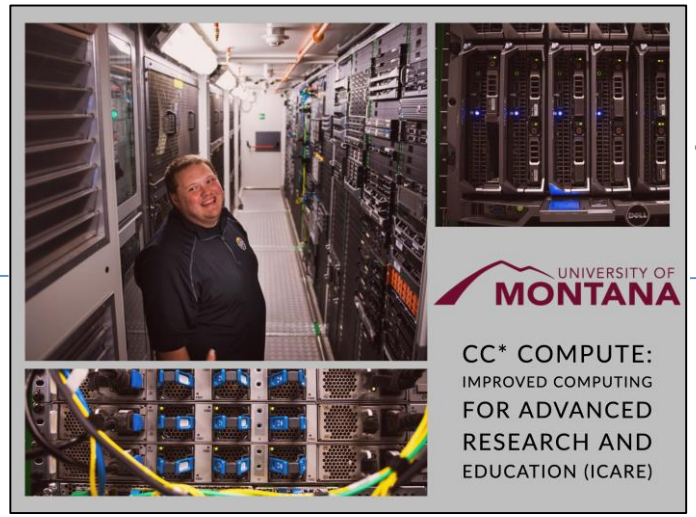
NSF Campus Cyberinfrastructure PI and
Cybersecurity Innovation for Cyberinfrastructure PI Workshop
September 23 – 25, 2019 | Minneapolis, MN

Quad Chart for: *CC* Compute: Improved Computing for Advanced Research and Education (ICARE)*

Challenges:

- Supporting the academic and research community's increasing computing demands during a time of declining budgets.
- Bringing together faculty researchers and IT professionals to identify needs and develop solutions on a mixed centralized/decentralized IT campus.



Scientific Impact:

- Immediate progress on "science drivers" (Biomedical & Pharmaceutical Sciences, Computer Science, Biological Sciences, Public and Community Health Sciences, & Geosciences).
- Participation in OSG impacts access to additional resources and builds a broader research community.

Solutions:

- Build an ICARE Team made up of Central & Distributed IT, Faculty, and Researchers (collaboration ensures everyone is invested in the campus cyberinfrastructure and IT focuses effort & investment where it is needed).
- Develop a University of Montana Shared Computing Cluster (UMSCC) devoted to advancing research and education.
- Partner with the Open Science Grid (OSG) for bidirectional resource sharing beyond UM.

Metadata tags:

- *Shared Compute Cluster*
- *Graphics Processing Unit*
- *Open Science Grid*
- *Open Source Solutions*
- *Need Collaborators*
- *More Funding Opportunities*