Systems-Facing call, 2025-09-18 @ 1p ET/ 12p CT/ 11a MT/ 10a PT

Topic: **Successes and challenges using LLMs within a Systems-Facing context**

This presentation shares practical insights from implementing large language models across Idaho National Laboratory with strict data governance requirements. We'll explore the trade-offs between on-premises and cloud-based LLM deployments, including performance considerations, cost implications, and security controls. Key topics include navigating data residency requirements, balancing user accessibility with compliance needs, and lessons learned from our hybrid approach. Attendees will gain actionable strategies for LLM adoption in organizations where data protection is paramount.

Speaker: Brandon Biggs, HPC Systems Administrator, Idaho National Lab

Slides & Links:

-

Announcements:

-

Zoom Meeting Room:

https://utah.zoom.us/my/carcc?pwd=TjFuR3VVM2d5eE5zWnEvWWxDTFBCUT09

Meeting ID: 824 051 8198
Password: 31415926

One tap mobile
+13462487799,,8240518198#,,#,31415926# US (Houston)
+16699006833,,8240518198#,,#,31415926# US (San Jose)

Dial by your location
+1 346 248 7799 US (Houston)
+1 669 900 6833 US (San Jose)

NOTE: **This meeting will be recorded via Zoom.**

/Link To Slides:
https://docs.google.com/presentation/d/1dLQz1t5TJU_FteOPshYrHzzLiFeRTrAjbD5mHrLFRa4/edit?usp=sharing

CaRCC YouTube Channel: https://www.youtube.com/carcc

CaRCC YouTube Channel Systems-Facing Playlist:
https://www.youtube.com/playlist?list=PLV-SC0CHLTwehApeMg_fJ5VbYndETh3yT

CaRCC YouTube Channel Data-Facing Playlist:
https://www.youtube.com/playlist?list=PLV-SC0CHLTwdrPXN8zdres6aovVAoEJIq

CaRCC Code of Conduct: https://carcc.org/about/carcc-code-of-conduct/

Join the CaRCC Slack Workspace:
https://join.slack.com/t/carcc/shared_invite/zt-9lhv4cfm-wy7RpbNI7V9qLJcvtzq8hA

Sign-In (Name / Affiliation / Email): (Max on call: 42)

1. Jaime E. Vega / Minnesota Supercomputing Institute / vega0051@umn.edu
2. Nick Eggleston / Kansas State University/ njeggleston@protonmail.com
3. Ben Nickell / Idaho National Lab / ben.nickell@inl.gov
4. Andrew Petersen / NC State University / aapeters@ncsu.edu
5. Sean Anderson / Wake Forest University / anderss@wfu.edu
6. Catherine Morie / Washington University in St Louis - RIS / catherine.morie@wustl.edu
7. Robert Yelle/ Oregon State University / robert.yelle@oregonstate.edu
8. Jim Leous / Consultant / jim.leous@gmail.com
9. Jacob Boschee / University of British Columbia / jacob.boschee@ubc.ca
10. Julie Swann / North Carolina State University / jlswann@ncsu.edu
11. Jeff Dusenberry / UMass Boston / jeff.dusenberry@umb.edu
12. Kim Wilkins // University of Nevada Reno // kwilkins@unr.edu
13. Paige Despain / Brigham Young University / paige.despain@byu.edu
14. Scott Delinger / Altadel Consulting Ltd / scott@altadel.com
15. Mike Robbert / NSF NCAR / mrobbert@ucar.edu
16. Brad Rittenhouse / Stanford Research Computing
17. Brian Tempero / Stanford Research Computing
18. Paul Brunk / University of Georgia / pbrunk@uga.edu
19. Tim McGuire / UNC Chapel Hill / tmcguire@unc.edu
20. Jacob Gladfelter / University of Michigan / jglad@umich.edu
21. Rob Zelt / UNC Chapel Hill / robz@unc.edu
22. Andres Ortiz Almazo / Temple University / andres.almazo@temple.edu
23. Ryan Cox / BYU / ryan_cox@byu.edu
24. Jessica Thompson / Northwestern University / jessica.thompson1@northwestern.edu
25. Wim Cardoen/University of Utah/wim.cardoen@utah.edu
26. Ric Anderson/The University of Arizona/ric@arizona.edu

27. Zhiyu Li / University of Utah/ zhiyu.li@utah.edu
28. John Blaas / Lambda / johnb@lambda.ai
29. Nathan Wells / Kansas State University / nathanrwells@ksu.edu
30. Moira Downey / NC State University / mdowney@ncsu.edu
31. Kurt Roberts / University of Cincinnati / robertph@ucmail.uc.edu
32. Ruoshi Sun / University of Virginia / rs7wz@virginia.edu
33. David Horn / CIQ, Rocky Linux / Dhorn@ciq.com
34. Rose Stein / CIQ - Rocky, Warewulf, Apptainer, Fuzzball / rstein@ciq.com
35. Ryan Doll / Wichita State University / Ryan.Doll@wichita.edu
36. Michael Ramshaw / University of Utah / michael.ramshaw@utah.edu
37. Brandon Biggs / Idaho National Laboratory / brandon.biggs@inl.gov
38. Andrew Gifford / University of Utah / andrew.gifford@utah.edu
39. Karen McCollough / UNC Chapel Hill
40.
41.
42.

Discussion Questions & Notes:

-

Q&A

-

Upcoming Presentation Plans:

- July: No Systems-Facing Meeting (PEARC25)
- Aug: Regular schedule - PEARC25 recap

Suggest future topics for a Systems-Facing call (Feel free to add one!):

-