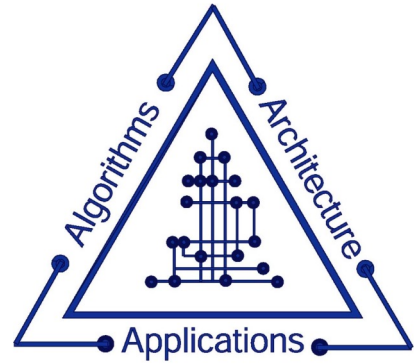


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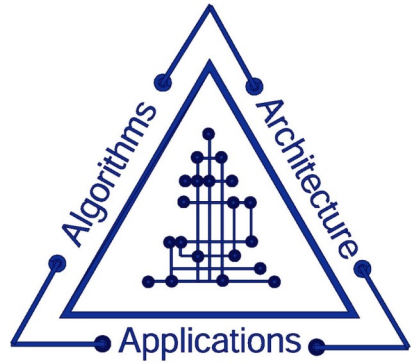
Welcome



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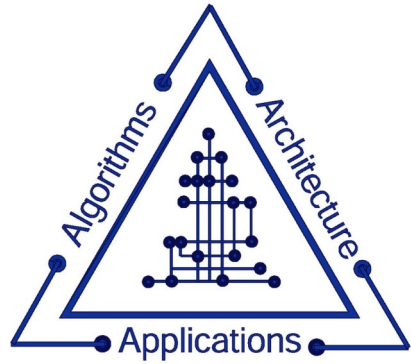
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WiFi Information

SSID: **Salishan Highspeed Private**
Password: **\$alish@n65!**



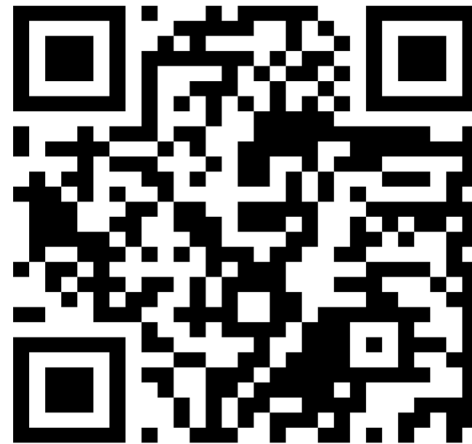
Airline rules apply - No videoconferencing or streaming

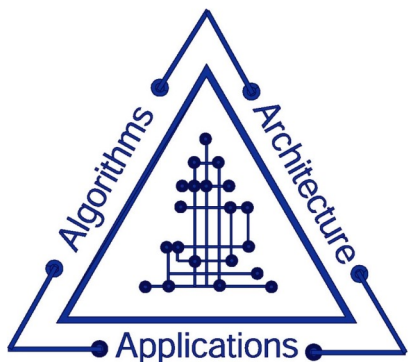


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Reminder: Fill out the conference survey

<https://salishan.ahsc-nm.org/Survey.html>





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Session 4: **Algorithms**

Thursday, April 24th, 8:30am – 12:00pm

Session Chair: Olga Pearce

- 08:30 - 09:00 **Revolutionizing Supercomputers: Post-Exascale Insights from AI Architecture**
Michael James, Cerebras Systems
- 09:00 – 09:30 **Scaling Laws in HPC and AI: Yesterday, Today and Tomorrow**
Rio Yokota, Institute of Science Tokyo
- 09:30 – 10:00 **Automatic Differentiation as an Enabling Technology for Simulation, Analysis, and Scientific Machine Learning**
Eric Phipps, Sandia National Laboratories
- 10:00 – 10:30 Break
- 10:30 – 11:00 **Dynamic Contextual Sparsity: The Next Paradigm for Scaling GenAI**
Anshumali Shrivastava, Rice University
- 11:00 Speaker Panel



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Session 5: **Systems of the Future**

Thursday, April 25th, 1:30pm – 5:00pm

Session Chair: Andrew Younge

- 01:30 - 02:00 **Exascale AI Research Resources Federation and Security: Yesterday, Today and Tomorrow**
Sadaf Alam, Bristol Centre for Supercomputing (BriCS)
- 02:00 – 02:30 **Will the Cloud Crush HPC? Lessons from Ultra Ethernet**
Keith Underwood, HPE
- 02:30 – 03:00 **Complexity perplexity: how should HPC centers evolve to support the scientific workflows of the future?**
Debbie Bard, National Energy Research Scientific Computing Center (NERSC)
- 03:00 – 03:30 Break
- 03:30 – 04:00 **Grasping the Opportunities in Front of Us: HPC Systems Built for Purpose**
Dan Ernst, NVIDIA
- 04:00 Speaker Panel

