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| **Wednesday, April 10th, 2024**  **8:00am – 11:15am**  **Workshops** |

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| **TIME** | **EVENT** | **TOPICS/PRESENTER** |
| 8:00 –8:30 | Registration  (Great Room Foyer) | Check-In  Suggestion Box |
| 8:30 – 9:15 | Workshop #1  Research Computing with High Performance and Accelerated Computing | In this module, we will do a deep dive in cloud compute and storage, cloud HPC and accelerated computing.  Amazon Web Services |
| 9:30 – 10:15 | Workshop #2  AWS Parallel Cluster Lab  Part #1 | In this hands-on lab, you will build an AWS Parallel Cluster, run a magnetohydrodynamics (MHD) simulation using MPI with the Slurm scheduler on the HPC cluster and visualize the simulation results all in a Jupyter Notebook.  Amazon Web Services |
| 10:30 – 11:15 | Workshop #2  AWS Parallel Cluster Lab  Part #2 | In this hands-on lab, you will build an AWS Parallel Cluster, run a magnetohydrodynamics (MHD) simulation using MPI with the Slurm scheduler on the HPC cluster and visualize the simulation results all in a Jupyter Notebook.  Amazon Web Services |

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| **Wednesday, April 10th, 2024**  **12:30pm – 7:30pm**  **Program** |

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| **TIME** | **EVENT** | **TOPICS/PRESENTER** |
| 12:30 – 1:00 | Registration  (Great Room Foyer) | Check-In |
| 1:00 – 1:10 | Opening Remarks | Welcome  Introductions  Program Summary  Dr. Sasi K. Pillay |

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| **Afternoon Program**  **1:15-5:00** | **Topic** | **Contact/Presenter** |
| 1:15 | Keynote: Research Activities Across the University of Nevada, Reno | Dr. Mridul Gautam |
| 2:00 | Comparing Computation with Experiment: Structures of Rare Earth Elements with Molecular Dynamics | Dr. David Cantu |
| 2:45 | Break | - |
| 3:00 | Understanding the Research Grant Application Process | Jennifer Bonk  Michele Dondanville  Brandon Guilbe  Sierra Hooft |
| 3:45 | Challenges and Opportunities for Health Data Analysis at UNR: School of Public Health | Dr. Lyndsey Darrow |
| 4:15 | Keynote: Journey to the Imagination Age | Kevin Parikh |
| 5:00 | Thank You | President Sandoval |

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| 5:30-7:30 | Reception: Rotunda Located in the Mathewson-IGT Knowledge Center |

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| **Thursday, April 11th, 2024**  **7:40am – 5:00pm**  **Program** |

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| **TIME** | **EVENT** | **TOPICS/PRESENTER** |
| 7:40 – 8:00 | Registration  (Great Room Foyer) | Check-In |
| 8:00 – 8:10 | Opening Remarks | Welcome  Introductions  Program Summary  Dr. Sasi K. Pillay |

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| **Morning Program**  **8:15-12:00** | **Topic** | **Contact/Presenter** |
| 8:15 | Accelerating Scientific Discovery Using Google Cloud | Dr. Volker Eyrich/Google |
| 9:00 | Wildland Fuels: Questions That Need Answering | Dr. Jonathan Greenberg |
| 9:45 | Break | - |
| 10:00 | Keynote: NSF and Cyberinfrastructure: Resources and Funding Opportunities | Kevin Thompson |
| 10:45 | Planning Research & Education Technology Support | Dr. Scotty Strachan |
| 11:30 | High-performance Numerical Simulations of Unsteady Fluid Flows | Dr. Aditya Nair |

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| 12:15-1:00 | Lunch |

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| **Afternoon**  **1:00-5:00** | **Topic** | **Contact/Presenter** |
| 1:00 | Simplifying Cloud Adoption for Researchers: Seamlessly Extend Your On Premises Cluster with AWS | Dr. Scott Friedman/AWS |
| 1:30 | Innovations with IBM Unstructured Storage for Data and AI workloads | Chris Maestas/IBM |
|  | Quantum Computing – the Next Wave | Rizwan Hussain/IBM |
|  | From Local Disk to Distributed Parallel Filesystem | Jan Krol/IBM |
| 3:00 | Break | - |
| 3:15 | Advancing Research: High Performance Computing and AI for R1 Institutions | John Callahan/Microsoft |
|  | High Performance Computing and Cloud in Research | Laura Wilt/Microsoft |
| 4:15 | Advance and Accelerate Research in HPC/AI with Dell Technologies Innovative Solutions | Chethan Neelakanta /Dell |
| 4:45 | Closing Remarks: Summary & Next Steps | All |