



The Cyberinfrastructure (CI) Day presents an opportunity for educators and students to understand the benefits that cyberinfrastructure can bring to their scholarly pursuits, to see how others utilize cyberinfrastructure, and to learn what resources are available on campus, across institutions in Nevada, and nationally.

- Open to all interested students and educators
- Maximum 60 participants
- Registration required by **2/26/18**

<https://solarnexus.epscorspo.nevada.edu/cidays/>

This one-day event features:

- Understand how cyberinfrastructure helps create, disseminate, and preserve scientific data and knowledge
- Learn about modern computing technology and how it supports scientific research and everyday life activities
- Participate in tours and demonstrations at the UNR labs: Robotics, Drones, Autonomous Vehicles, High Performance Computation and Visualization (HPCVIS), and Earthquake Engineering
- Learn about the Nevada Research Data Center (NRDC)
- Learn about paid research and program opportunities for Nevada college students and teachers
- Network with Nevada research faculty and students

What is CI?

The National Science Foundation defines CI as a collection of advanced technologies and services to support scientific inquiry. This includes:

- Computing clusters and high performance computing systems
- Data management, data integration, and data storage systems
- Digitally-enabled sensors and observatories
- Interoperable suites of software, services and tools
- High speed networks
- Data mining and data visualization
- Collaboration and security tools
- The people who design, build, and run these systems



For more information contact:

Michele Casella

NSHE Sponsored Programs & EPSCoR Office
mcasella@nshe.nevada.edu, 702-522-7076



Nevada System of Higher Education, 5550 W. Flamingo, Las Vegas, NV 89103
 702.522.7070, <http://epscorspo.nevada.edu/>

**This material is based upon work supported by the National Science Foundation under Grant No. IIA-1301726.*



Agenda

March 2, 2018 - Friday	
09:00 - 09:20	Registration and Continental Breakfast – Harry Reid Engineering Rm 109-110
09:20 – 09:25	Welcome and Introductions – Dr. Yaakov Varol, UNR
09:25 – 10:00	Overview of Nevada Research Data Center, NRDC – Connor Scully-Allison, Vinh Le, Hannah Munoz, UNR
10:00 – 10:20	Coffee Break/Posters
10:20 – 11:10	The Rise of Machine Learning – Dr. Shahram Latifi, UNLV
11:10 – 12:00	Intelligent Mobility: Using AI to Improve Transportation in Nevada – Dr. Richard Kelly, UNR
12:00 – 12:40	Lunch/Posters
12:40 – 01:00	Group 1 at HPCVIS (High Performance Computing and Visualization), Ansari Business Building (AB), Dr. Fred Harris, UNR
12:50 – 01:10	Group 2 at Drones, Applied Research Facility (ARF), Dr. Kostas Alexis, UNR
01:10– 01:30	Group 1 at Drones, ARF, Dr. Kostas Alexis, UNR Group 2 at Robotics, ARF, Dr. Jim La, UNR
01:30 – 01:50	Group 1 at Robotics, ARF, Dr. Jim La, UNR Group 2 at Autonomous Vehicle, ARF, Dr. Richard Kelley, UNR
01:50 – 02:10	Group 1 at Autonomous Vehicle, ARF, Dr. Richard Kelley, UNR
02:00 – 02:20	Group 2 at HPCVIS, AB, Dr. Fred Harris, UNR
02:25 – 03:20	Groups 1 and 2 at Nevada Earthquake Engineering Laboratory, Dr. Sherif Elfass, UNR
03:20 – 03:30	Evaluation and Event Conclusion (to complete in final lab)



Nevada System of Higher Education, 5550 W. Flamingo, Las Vegas, NV 89103
 702.522.7070, <http://epscorspo.nevada.edu/>

*This material is based upon work supported by the National Science Foundation under Grant No. IIA-1301726.