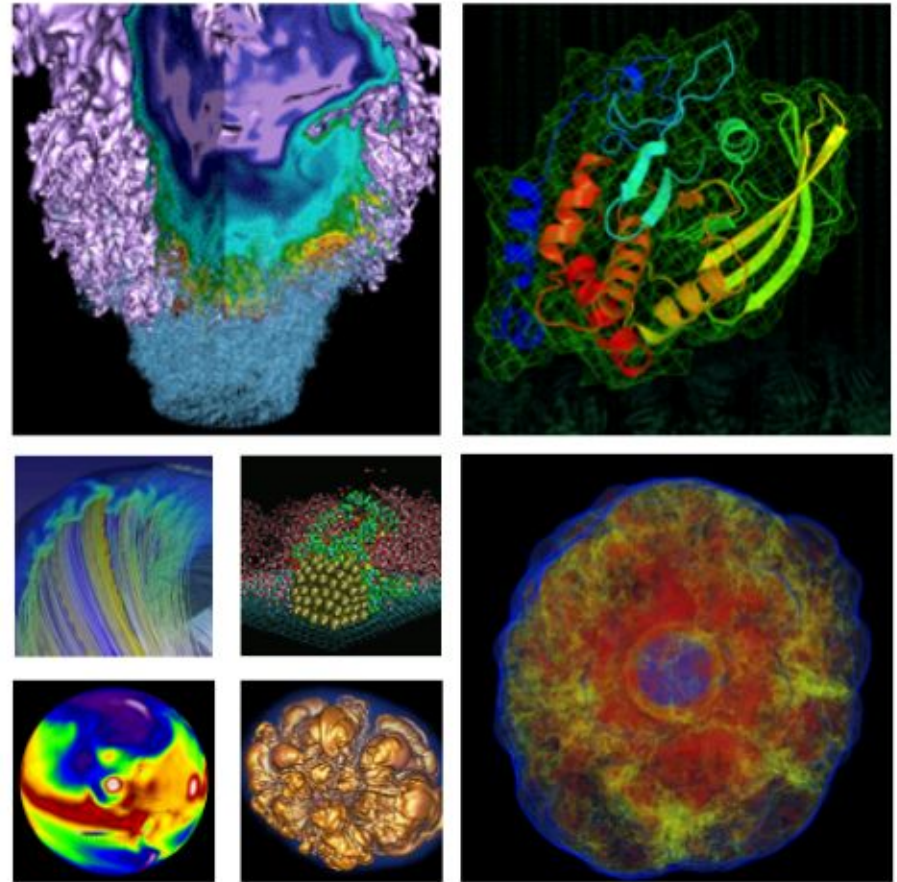


# NERSC Users Group Monthly Meeting



February 21, 2019

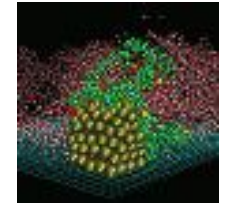
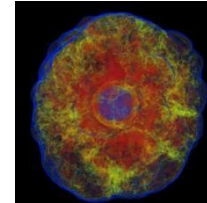
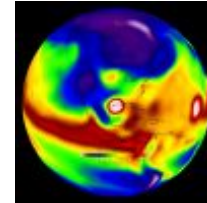
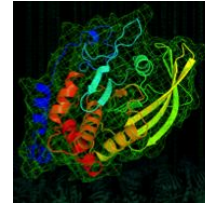
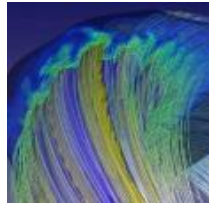
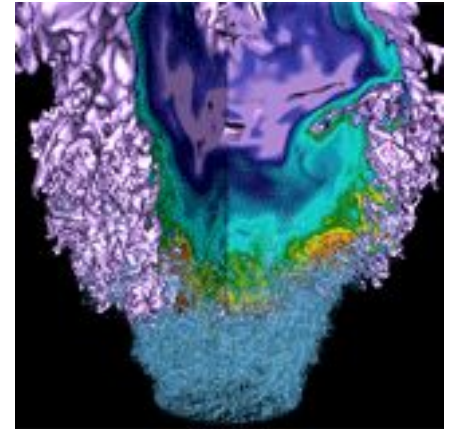
# Agenda

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- **Edison Retirement Plan**
- **Upcoming NERSC Training Opportunities**

# Edison Retirement Plan



# Edison Retirement Plan



- **Edison will retire on *Monday, May 13, 2019***
  - Edison compute nodes and scratch systems
- **Between now and then:**
  - Minimal changes will be made to Edison
  - No new software will be installed for users (e.g., no new versions of math libraries)
  - Edison will continue to have monthly maintenances and may undergo an OS upgrade

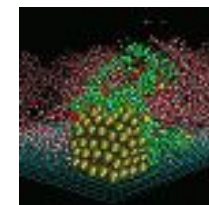
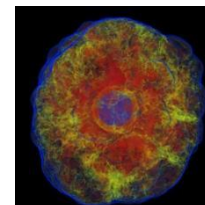
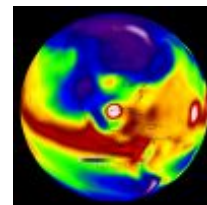
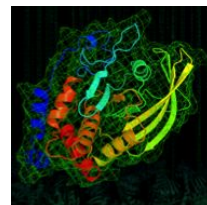
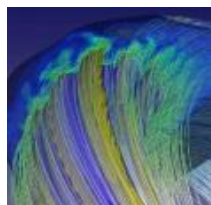
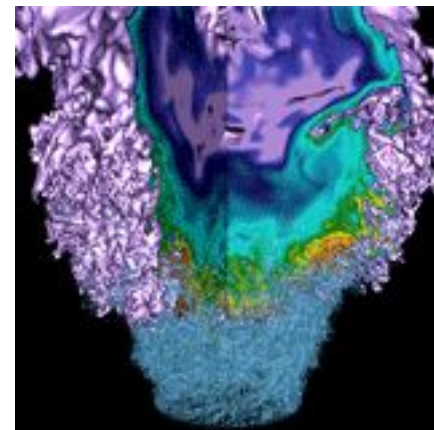
# Edison Retirement Schedule



- **Monday, May 13, 7:00 am:**
  - Edison will be rebooted
  - No user jobs will run after this reboot
  - After reboot, users can still log in and access Edison scratch systems
- **Monday, May 20, 7:00 am:**
  - Edison taken offline for users
  - After this date, all scratch data is inaccessible (Note: home & project directories are mounted on all systems; no need to archive data from these filesystems)
- **May-June:**
  - Edison disassembled to make space for Perlmutter

- **Back up your data from Edison scratch NOW!**
  - If backing up to HPSS, use htar to concatenate small files into larger archive files
  - If you need help, please submit a ticket
- **Cori Haswell queues will become even more congested**
  - Now is a good time to try getting your code working on KNL
  - Let NERSC help you:
    - Attend KNL training in April
    - Seek consultant advice through a ticket

# Upcoming NERSC Training Opportunities





# Upcoming NERSC Training

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- **NERSC is offering an array of training on many different topics in the next few months**
- **Upcoming training courses:**
  - Kokkos Bootcamp
  - Edison to Cori KNL transition
  - Spin



- **Performance Portability with Kokkos: March 26-29**
  - <http://www.nersc.gov/users/training/events/performance-portability-with-kokkos/>
  - Get started (or improve existing code) with Kokkos, a programming model written in C++ that is portable across diverse architectures (including GPU)

# Edison to Cori KNL Transition



- **Edison scheduled to retire May 13**
- **Cori KNL Programming & Optimization training**
  - 2nd session: Apr 16-18
    - <http://www.nersc.gov/users/training/events/cori-knl-programming-and-optimization-apr2019/>
    - 1st day training by Cray/NERSC; 2nd-3rd day hackathon

- **Spin: new Containers-as-a-Service (CaaS) platform at NERSC based on Docker container technology**
  - can be used to deploy web sites & science gateways, workflow managers, databases & key-value stores, & network services that to access NERSC systems and storage on the back end.
- **SpinUp training offered quarterly:**
  - Apr/May (registration now open!):  
<http://www.nersc.gov/users/training/events/spinup-apr-2019/>
  - July:  
<http://www.nersc.gov/users/training/events/spinup-jul-2019/>

# NeRSC

**The End**