



MAY 4-6, 2021



ALCF

Computational Performance Workshop

Next Steps

- ☐ The Comp_Perf_Workshop allocation expires by the end of workshop, while you can grab your data, you won't be able to submit any job
- ☐ To continue your work without interruption, apply for a Director's Discretionary (DD) allocation now (not later than Friday May 7th)
- ☐ Go <https://www.alcf.anl.gov/science/directors-discretionary-allocation-program>
- ☐ Target allocation size roughly 10k node hours
- ☐ In the "detailed description" box make sure to include
 - ☐ I attended CPW21 or My team member (name) attended CPW21
 - ☐ I am preparing to submit a (specify: INCITE, ADSP, or ALCC) proposal

Director's Discretionary Allocation Program

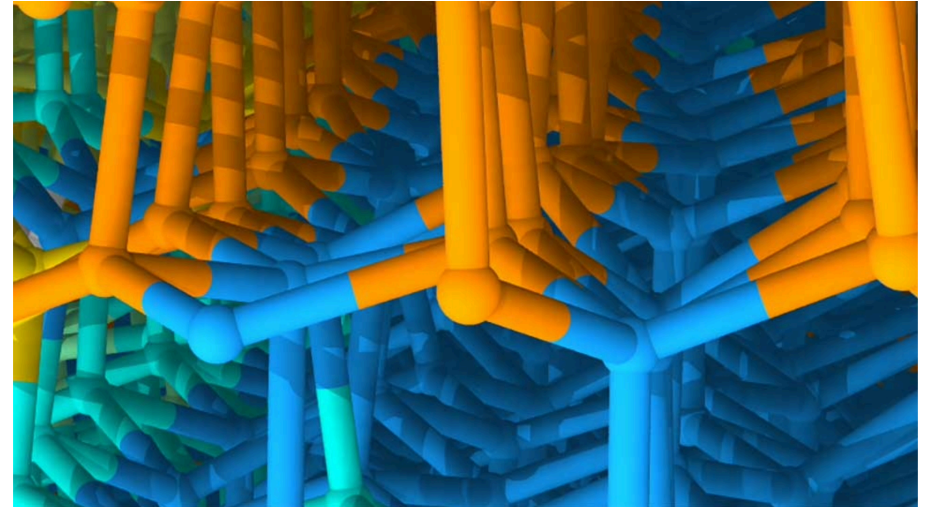
The ALCF Director's Discretionary (DD) program provides “start up” awards to researchers working to achieve computational readiness for for a major allocation award.

Eligibility: Available to researchers from universities, industry, and government agencies DOE sponsorship is not required.

Award size: Small (10k node hours on Theta e.g.)

Duration: 3-6 months (renewable)

Allocation cycle: Ongoing (available year-round)



Molecular dynamics simulations based on machine learning help scientists learn about the movement of the boundary between ice grains (yellow/green/cyan) and the stacking disorder that occurs when hexagonal (orange) and cubic (blue) pieces of ice freeze together. Image: Henry Chan and Subramanian Sankaranarayanan, Argonne National Laboratory

INCITE

Innovative & Novel Computational Impact on Theory and Experiment

<https://www.doeleadershipcomputing.org/proposal/call-for-proposals/>

The DOE's INCITE program provides allocations to computationally intensive, large-scale research projects that aim to address "grand challenges" in science and engineering.

Deadline: 8:00 pm EDT on Friday, June 18, 2021

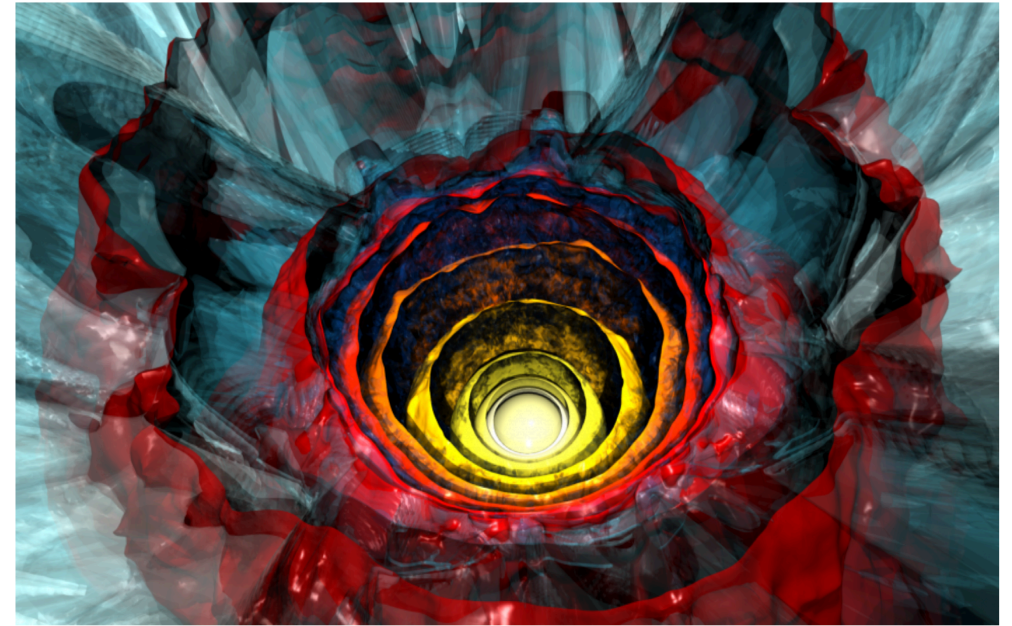
Eligibility: Available to researchers in academia, industry, and other research institutions

Review process: INCITE program conducts a two-part review of all proposals including a peer review by an international panel of experts, and a computational-readiness review

Award size: ~1.0-2.5M node-hours

Award duration: 1-3 years, renewable

Total percent of ALCF resources allocated: 60%



Lars Bildsten of the Kavli Institute for Theoretical Physics is leading a 2020 INCITE project that is using Argonne's Theta supercomputer to perform radiation hydrodynamic simulations of massive stars with rotation. (Image: Joseph A. Insley, Argonne National Laboratory)

ADSP

ALCF Data Science Program

<https://www.doeleadershipcomputing.org/proposal/call-for-proposals/>

The ALCF Data Science Program (ADSP) supports data-intensive projects that require the scale and performance of leadership-class supercomputers.

ADSP Call Details: <https://www.alcf.anl.gov/adsp-call-details>

Eligibility: Available to researchers from universities, industry, and government agencies

Award size: Large

Award duration: 1-2 years (renewable)

Allocation cycle: November - October

Call for proposals: Annual

 ADSP

ALCF
Data Science
Program

