

Next Steps

Ray Loy
ATPESC Program Director, ANL

Access Expirations

Account expirations

ALCF - 9/8 (* see next slide for extension)

No more reservations – **submit to regular queues after Friday 8/7**

Slack – tear down after 9/1

Download anything you want to save before then. Most slides are already linked on the web agenda.

Your access may continue longer but **do not rely on it.**

ALCF Project Allocations

- The ATPESC2026 **project allocation** expires 9/8.
 - Copy your data off home, /eagle/ATPESC2026, and /flare/ATPESC2026 **before** then
- Accounts
 - Expire on 9/8 unless you apply for your own allocation (below) or already have another project with a later expiration.
 - You cannot renew your account unless you are associated with an active **project allocation**.
- To continue without interruption, apply for a Director's Discretionary (DD) project allocation by Monday 8/10 by visiting: <https://www.alcf.anl.gov/science/directors-discretionary-allocation-program>
 - How much should you ask for? Typical: Polaris 1K node-hrs for devel, 2-4K for scaling; Aurora 5K for devel and 10-20k for scaling. The more you ask for, the more details about your individual situation are needed.
 - In the "Project and Justification Summary" box make sure to include that you attended ATPESC 2026. If you indicated proposal preparation, mention your proposal plans and what is needed to prepare.

Director's Discretionary Program

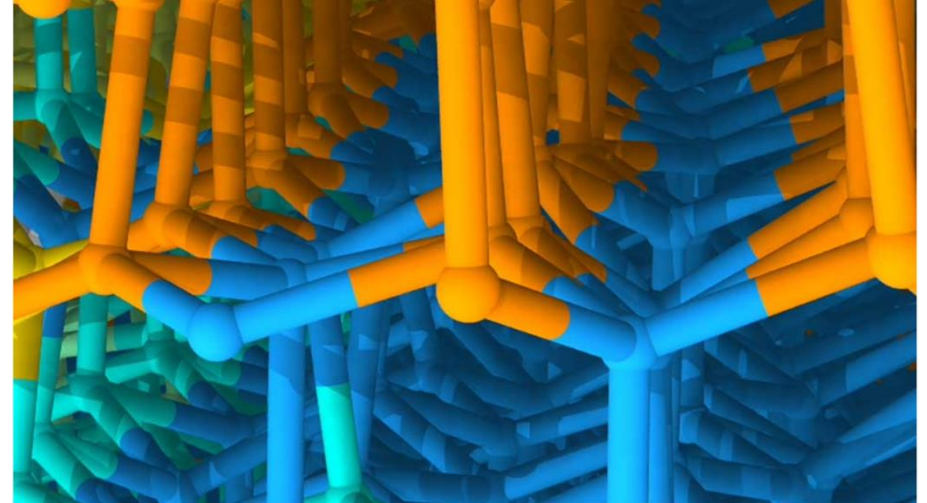
The ALCF Director's Discretionary (DD) program provides “start up” awards to researchers working to achieve computational readiness for a major allocation award.

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

Award size: Small (~1-4K node-hours on Polaris, 5-20K on Aurora)

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

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: TBA (June 2027)

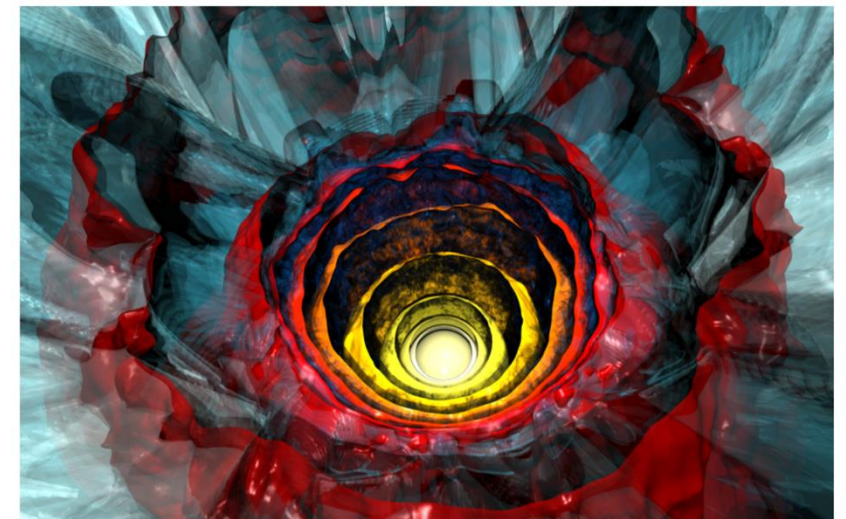
Eligibility: Available to researchers in academia, industry, and other research institutions

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: ~1.0-3.0M 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)

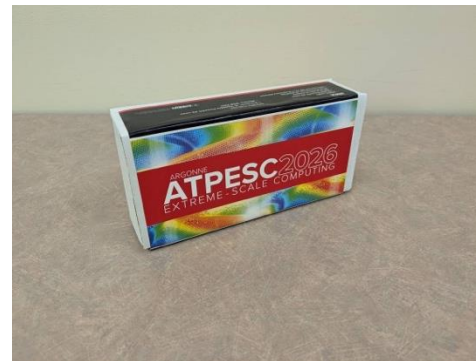
Thank You

- Kathy Gorgan – Lead event planner
 - Jenni Banis, Tracy Lozano, Kerri Banks
- India Gordon - tour
- *An army of other CELS admins handling travel and accounts*
- Jordan Winetrout from OLCF
- Johnny Marquez and Haritha S. from ALCF UX

Certificate and gift

Required - submit before you leave ATPESC

- *Final exam/feedback form*
 - *<https://forms.cloud.microsoft/g/7EDC5qSQw8>*
- When you have completed you will receive a completion certificate and gift



ARGONNE ATPESC2026 EXTREME - SCALE COMPUTING

ARGONNE TRAINING PROGRAM ON EXTREME-SCALE COMPUTING

Produced by Argonne National Laboratory, a U.S. Department of Energy Laboratory managed by UChicagoArgonne, LLC under contract DE-AC02-06CH11357.

Special thanks to the National Energy Research Scientific Computing Center (NERSC) and Oak Ridge Leadership Computing Facility (OLCF) for the use of their resources during the training event.

The U.S. Government retains for itself and others acting on its behalf a nonexclusive, royalty-free license in this video, with the rights to reproduce, to prepare derivative works, and to display publicly.