# 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 8/8**

   NERSC – 8/10 (Sun)

   OLCF – 8/12  (Tues)

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**.

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# ALCF Project Allocations

- The ATPESC2025 **project allocation** expires 9/8.
    - Copy your data off home, /eagle/projects/ATPESC2025, and /flare/ATPESC2025 **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 8/11 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 2025.  If you indicated proposal preparation, mention your proposal plans and what is needed to prepare.

# Director's Discretionary Allocation 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)
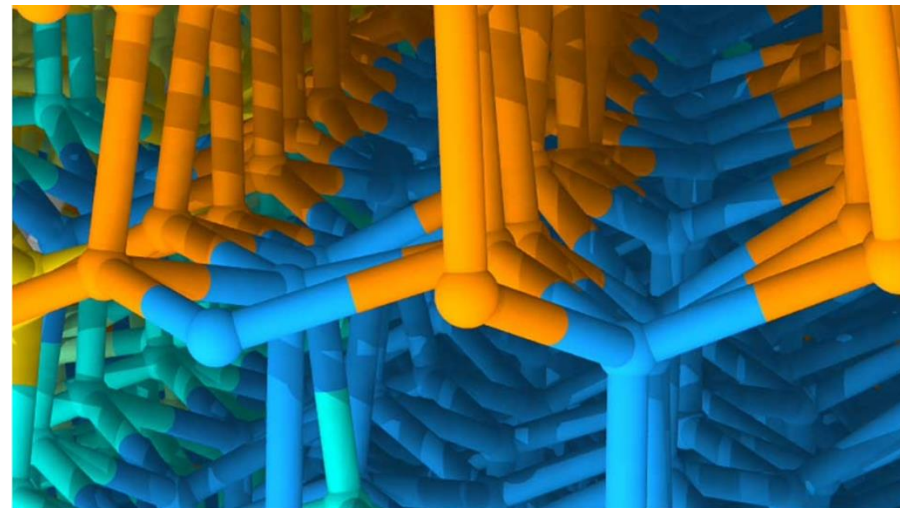


Molecular dynamics simulations based on machine learning help scientists learn about the movement of the boundary between ice grains (yellow/green/cyan) and the stacking disorder that occurs when hexagonal (orange) and cubic (blue) pieces of ice freeze together. Image: Henry Chan and Subramanian Sankaranarayanan, 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 2026)**

**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%
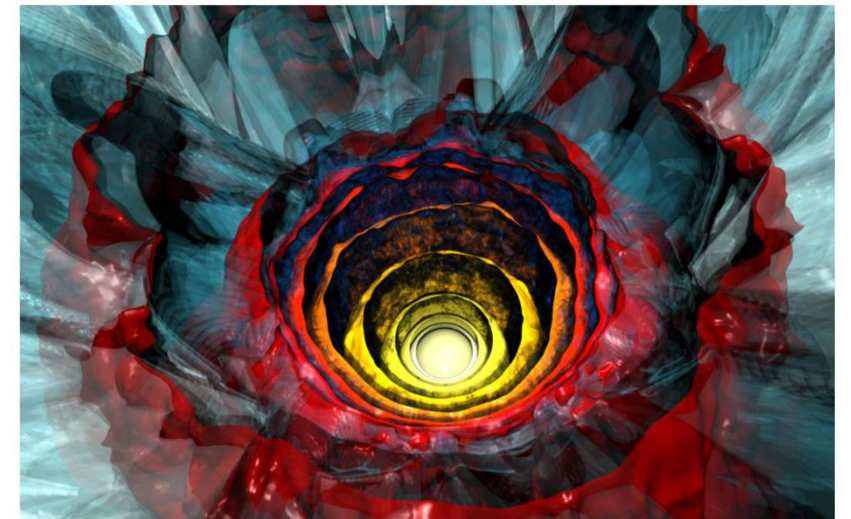


Lars Bildsten of the Kavli Institute for Theoretical Physics is leading a 2020 INCITE project that is using Argonne's Theta supercomputer to perform radiation hydrodynamic simulations of massive stars with rotation. (Image: Joseph A. Insley, Argonne National Laboratory)

extremecomputingtraining.anl.gov

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# Thank you

- Kathy Gorgan – Lead event planner
  - Tracy Lozano, Kerri Banks, Jenni Banis
- India Gordon - tour
- Julie Smagacz *leading an army of other CELS admins handling travel and accounts*

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# Final Exam

*Required - submit before you leave ATPESC*

- https://forms.gle/4vW2tUk5fZMSTcUQA
- Please put some thought into responses.
- When you have completed you will receive a completion certificate and gift

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