

October 2022 NERSC User Group Meeting

Perspective from the DOE/ASCR ERCAP Allocations Manager

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The ERCAP Process From Our Perspective

- Choose the correct program office (ASCR vs. SBIR vs. another office) to evaluate your proposal. A program manager from this program office will make the award decision, likely in consultation with the research award program manager (see next bullet).
- Make sure that you enter the correct name of the program manager who sponsors your research (if you have Office of Science funding). Also enter the Award Number.
- Pay attention to the submission deadlines (<https://www.nersc.gov/users/accounts/allocations/deadlines/>).
 - You can submit at any time, but submissions by the deadline receive priority consideration
 - If you request time later, we might be out of time to give (although that might change after the allocation-reduction dates (<https://www.nersc.gov/users/accounts/allocations/allocation-reductions/>)).
- Larger requests should have a more-detailed justification. Explain how you calculated the time request (don't forget about time for I/O, time for debugging new development/configurations, etc.).
- Very-small requests require some justification too, if nothing else, to make it clear that the request is not in error.
- There is a place in the request form to indicate 'Codes' (applications, libraries, etc.). Please fill this out: in addition to top-level applications, we are especially interested in dependencies that enable use of GPUs, AI/ML libraries, I/O libraries, workflow libraries, and ASCR/ECP-developed libraries.

Supporting the Process and Other Resources

- We view NERSC as an enabler of ASCR research, especially at larger scale, and encourage our funded projects to apply for time when potentially relevant.
- Please remember to include the appropriate acknowledgements in your publications. This really does matter! <https://www.nersc.gov/users/accounts/user-accounts/acknowledge-nersc/> has the recommended text for NERSC and <https://science.osti.gov/Funding-Opportunities/Acknowledgements> for SC programs - both are needed where applicable.
- If you accomplish something particularly interesting, and you used resources at NERSC, please point this out when you talk to your program manager and let NERSC know as well.
- If you are looking for resources that NERSC does not appear to provide, please talk to NERSC and/or your program manager (NERSC has many capabilities, and ASCR also funds other testbeds and resources which might be appropriate).

Finding Out More About ASCR – FOAs

← → ↻ science.osti.gov/ascr/Funding-Opportunities

Funding Opportunities

Closed Funding Opportunity Announcements (FOAs)

Closed Lab Announcements

Award Search / Public Abstracts

Additional Requirements and Guidance for Digital Data Management

Announcement Archives

Computational Science Graduate Fellowship (CSGF)

Advanced Scientific Computing Advisory Committee (ASCAC)

Community Resources

Contact Advanced Scientific Computing Research

Address

solicitation. For the most current information on notices, see the [DOE Grants and Contracts](#) ' shows the original posting dates, changes in due dates are not tracked.

[Office of Science Guidance](#) [on Accommodating Interruptions](#)

Look at the closed FOAs to see how funding has been structured in the past.

Funding Opportunity Announcements (FOAs)

May be open to one or more [types](#). For assistance with the Office of Science's Portfolio Management System (PAMS) at <https://pams.osti.gov> or by calling 1-800-855-1846 (toll-free), (301) 903-9610, or sc.pams-helpdesk@sc.osti.gov.

Search non-lab award abstracts to get a sense for ongoing projects.

FY 2023 Continuation of Solicitation for the Office of Science Financial Assistance Program

Announcement Number: DE-FOA-0002844

Post Date: Friday, September 30, 2022

Close Date: Saturday, September 30, 2023

- Submission Deadline for Pre-Applications:
 - A Pre-Application is optional/encouraged
- Submission Deadline for Applications: Not Applicable

This FOA will remain open until September 30, 2023 or until replaced by a successor FOA. Applications may be submitted any time during that period.

The Office of Science's "Open Call" generally represents the scope interest of the various programs.



Finding Out More About ASCR – ASCAC

← → ↻ science.osti.gov/ascr/ascac/Meetings

Meetings

- September 2022
- July 2022
- March 2022
- September 2021
- July 2021
- September 2020
- April 2020
- January 2020
- September 2019
- March 2019
- December 2018
- September 2018

Meetings

ASCR Advisory Committee Meetings

ASCR ASCAC [YouTube](#) Channel

Like and subscribe all ASCAC meetings

Next ASCAC Meeting

Public participants must identify themselves and their organizational affiliation to be admitted to

Friday, September

- [Agenda](#)
- [Presentations](#)

9:05 AM- 10:45 AM

View from GERMANTOWN, PA
Barbara Helland, Associate Director, Advanced Scientific Computing Research (ASCR)

10:30 AM- 11:15 AM

ASCR Research Priorities
Ceren Susut, Research Division Director, Advanced Scientific Computing Research

Presentation videos are available.

The presentations for each meeting are posted.

Look for presentations by program leadership for information on future priorities.



Finding Out More About ASCR – Program Documents

science.osti.gov/ascr/Community-Resources/Program-Documents

The “Program Documents” page has recent reports, with “Priority Research Directions” and “Priority Research Opportunities” in different areas of interest.

Community Resources

ASCR Discovery

ASCR Program Documents

ASCR Workshops and Conferences

ASCR Presentations

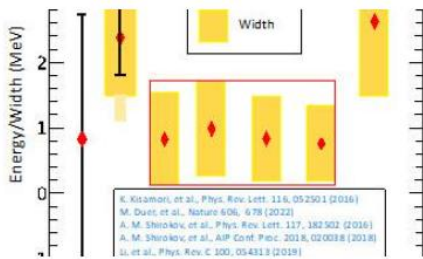
100Gbps Science Network

Related Links

DOE APPLICATIONS OF ASCR HPC SOFTWARE
advance industry applications
Outreach and Assistance
Transfer Programs Office
Report, June, 2022

Highlights

[View all »](#)



Discovered Tetraneutron Resonance Confirms Theoretical Predictions



Envisioning Science in 2050

To explore future-focused questions that could impact the future of DOE, a Community of Interest (COI) on Future Scientific Methodologies, sponsored by the Office of Advanced Scientific Computing Research (ASCR), was held over three non-consecutive days in November 2021. The COI's charge was to create a vision for how future computational fabrics might shape, shaped by, scientific and technological advances over the next 10 to 30 years.

[Workshop Report](#): March 22, 2022



Basic Research Needs for the Science of Scientific-Software Development and Use

In December 2021, ASCR convened a workshop on basic research needs for the Science of Scientific Software Development and Use (SSSDU). Workshop participants identified research directions (PRDs) and three important crosscutting themes that center on the overarching insight: software has become an essential part of modern science that impedes discovery, policy, and technological development. To have full confidence in science and software, we must improve the processes and tools that help us create and use it, and this enhancement requires a deep understanding of the diverse array of teams and individuals doing the work.

[Workshop Brochure](#): January 1, 2022



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Finding Out More About ASCR – GovDelivery

This link is near the bottom of <https://science.osti.gov/ascr>

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For updates from ASCR (announcements for ASCAC meetings, FOAs, awards, workshops, etc.) signup for the GovDelivery email service.

