



The Society for Industrial and Applied Mathematics (SIAM) is a 14,000-member organization representing applied mathematicians and computational scientists and engineers

STRENGTHEN DOE MATHEMATICS AND COMPUTATIONAL SCIENCE PROGRAMS

**WE REQUEST
\$9.5 BILLION
FOR DOE SC IN
FY 2025**

It is necessary to grow strategic investments in areas such as mathematics and scientific research to help address national priorities, foster economic growth, and create jobs. Within the overall amount for the Office of Science, SIAM requests that \$418.5 million be provided for Mathematical, Computational, and Computer Science Research within the Office of Advanced Scientific Computing Research (ASCR) to enable ASCR to transition funding from the Exascale Computing Project that is now nearing completion back into marquee foundational research programs.

BASIC RESEARCH FUELS OUR SCIENTIFIC ECOSYSTEM



Innovation

Core research activities within ASCR enable the development of critical tools for Artificial Intelligence, computational science, modeling, and data analysis that enhance advanced computing capabilities and seed new areas of research with potential for revolutionary advancements.



Workforce Needs

SIAM requests that \$20 million be provided for the Computational Science Graduate Fellowship (CSGF). This program helps ensure the existence of an adequate supply of scientists and engineers with strong computational research experience and close ongoing ties to DOE to meet future national workforce needs.



STRATEGIC PLANNING

Computational science has long been an essential part of DOE's scientific enterprise, but the near future is unusually ripe with opportunities. To ensure these systems are used to the maximum benefit it is vital that DOE has a clear strategy on future roles ASCR will play, how to maximize its impact, and how to use ASCR's capabilities to support cross-cutting DOE initiatives such as the Energy Earthshots.



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