



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

SUPPORT DEFENSE BASIC RESEARCH FUNDING SUPPORT MATH AND COMPUTATIONAL SCIENCE

WE REQUEST

6%
GROWTH
IN FY 2025

Defense basic research needs to be protected and sustainably grown to advance new technologies for our national security and warfighter protection and build the future workforce the defense innovation ecosystem needs. Math and computational science fuel breakthrough technologies in AI, biotechnology, and other critical areas.

BASIC RESEARCH FUELS OUR NATIONAL SECURITY ECOSYSTEM



Innovation

DOD-funded math and computational science had led to new military breakthrough technologies like radar detection, stealth fighter design, risk assessment software, image processing, and enemy prediction tools.



Workforce Needs

The defense innovation ecosystem has growing workforce needs. Congress should create a new traineeship program for graduate students to enable more strategic creation of new graduate programs in critical technology areas, incentivize better partnerships and skills development, and expose more students to defense challenges.



SPACE FORCE BASIC RESEARCH

Congress should sustain funding provided for Space Force Basic Research program. Complex challenges like space debris, imaging and understanding the space environment, and design of new space systems need new math and computational science capabilities.



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