NATIONAL SCIENCE FOUNDATION

The National Science Foundation (NSF) is one of our nation's largest sources of support for research in engineering and the physical sciences and the advancement of science, mathematics, and engineering education at all grade levels.

Its purpose is "to promote the progress of science; [and] to advance the national health, prosperity, and welfare by supporting research and education in all fields of science and engineering."

- NSF's annual budget represents 22 percent of the total • federal budget for basic research conducted at U.S. colleges and universities. NSF awards reach nearly 1,900 colleges, universities, and other public and private institutions.
- NSF provides critical support for the next generation of scientists and engineers from kindergarten through graduate school.
- To date, 204 Nobel Prize winners, including four of the • 2012 Nobel laureates, received NSF support at some point in their career.
- NSF-funded discoveries include:
 - New optical technology that may lead to detection of early and advanced stages of pancreatic cancer without the need for surgery. (Virginia Tech)
 - Transforming the iPhone into a medical-quality imaging and chemical detection device. (University of California-Davis)
 - A new world record for data transfer helping to usher in the next generation of high speed networks technology. (Cal Tech, Univ. Michigan & other partners)

OSA urges Congress to continue to make science research a national priority.



OSA Advancing the Science and Technology of Light

Brought to you by NSF

Federally funded research at the National Science Foundation has led to numerous commercial products now central in everyday life including:

- Bar codes
- Doppler radar
- Computer-aided design
- DNA fingerprinting
- MRIs
- Google