

Secure and Trustworthy Cyberspace Program (SaTC) at NSF

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In Today's Networked, Distributed, and Asynchronous World

cybersecurity involves hardware, software, networks, data, people, and integration with the physical world

Society's Overwhelming Reliance on this Complex Cyberspace has exposed its Fragility and Vulnerabilities

A truly secure cyberspace requires addressing both scientific and engineering problems and vulnerabilities that arise from human behaviors

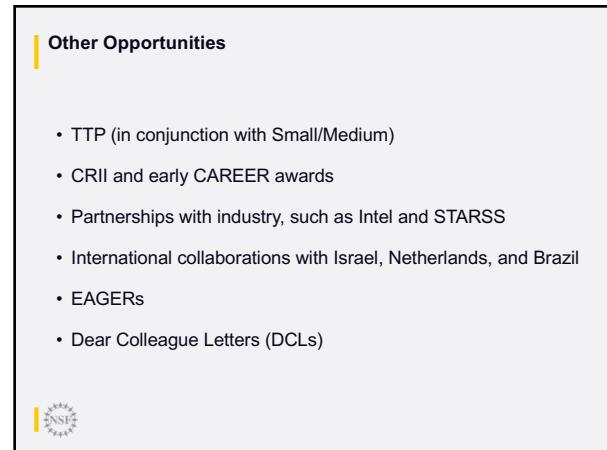
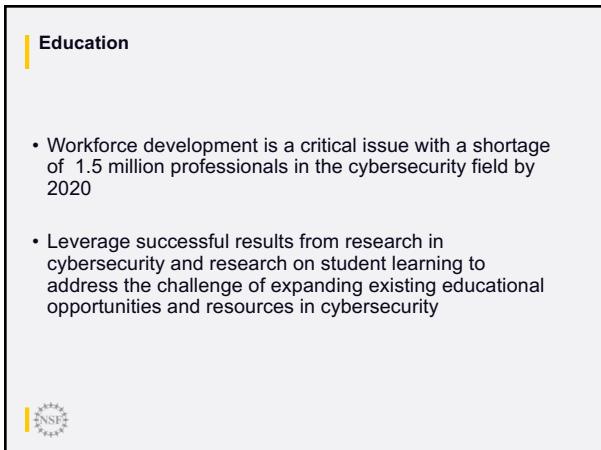
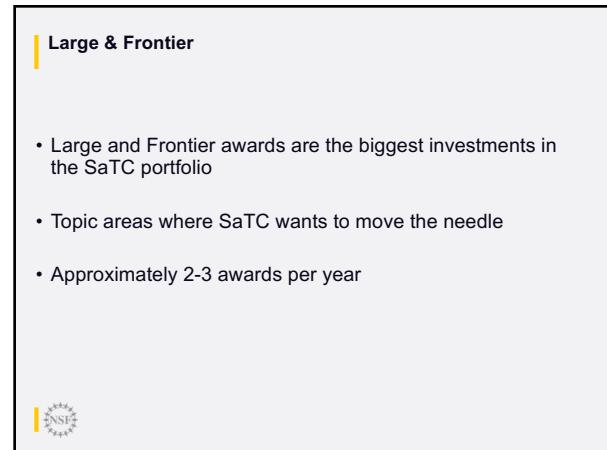
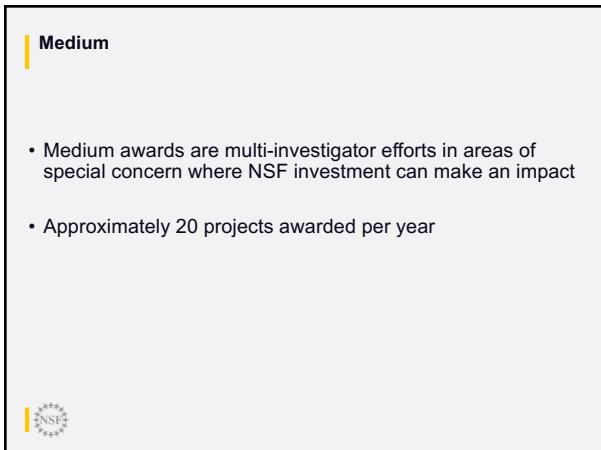
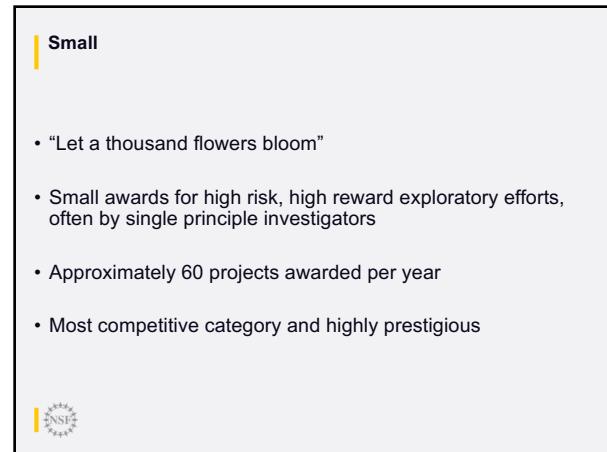
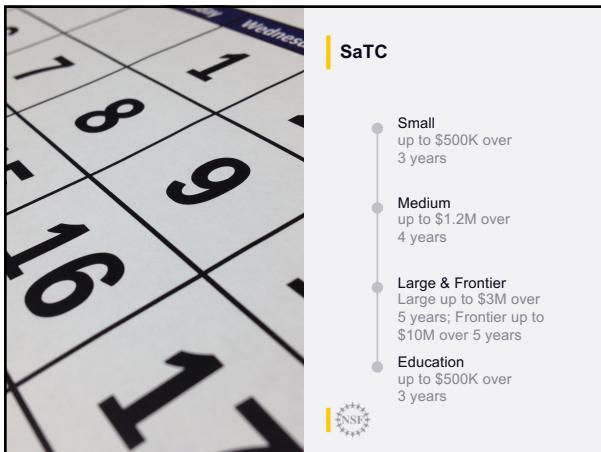
SaTC (Secure and Trustworthy Cyberspace) is NSF's flagship research program that approaches security and privacy as a multidisciplinary subject to find fundamentally new ways to design, build and operate cyber systems, protect existing infrastructure, and motivate and educate individuals about cybersecurity.

SaTC Spans Across Five NSF Directorates

SaTC: Broad Range of Topics in Cybersecurity

additional details on topics can be found in the most recent SaTC solicitation

2017 SaTC Program: 139 Awards



2018 SaTC Solicitation – Major Changes over Previous Solicitations

- No Large/Frontier competition
- No deadlines – proposals accepted as of October 1, 2018
- Limit on number of proposals per PI/Co-PI for period of October 1, 2018 – September 30, 2019:
 - 1 Small/Medium
 - 1 TTP
 - 1 EDU
- BPC Plan

For details see solicitation:
<https://www.nsf.gov/pubs/2018/nsf18572/nsf18572.htm>

Broadening Participation in Computing (BPC)

"It will take more than good intentions or business as usual, however, to reverse longstanding underrepresentation. It will take committed, focused, and sustained efforts on the part of many in the computing community." **ALMOST EVERYONE**

"CISE will address BP programmatically both through focused activities and through the inclusion of BP efforts as an accepted and expected part of its research and education award portfolios."

https://www.nsf.gov/cise/oad/cise_bp.jsp

BPC Activities Seen To Date

- Outreach to K-12 students
- Recruitment of students from underrepresented populations
- Speaking at campus-based student groups on research and/or STEM careers
- Sponsoring students from underrepresented groups to attend research conferences



Guiding Principle for BPC Effort

- BPC requires **culture change** in colleges/universities, departments, classes, research groups, professional organizations & K-12
- Culture change begins with **enhanced exposure** to BPC throughout the CISE community
- PI engagement must be **tailored to individuals and organizations** as appropriate

SaTC-announce Mailing List

Announcements relevant to the SaTC program

To subscribe:

Send email to: listserv@listserv.nsf.gov
 with message body = "subscribe SaTC-announce"

NSF CyberCorps®: Scholarship for Service (SFS) Program



Goals

- Increase the number of qualified employees working for Federal, State, Local, and Tribal governments in cybersecurity
- Increase the capacity of US education enterprise to produce professionals in cybersecurity

Eligibility

- Institution: National CAE/IAE designation or offers coherent formal cybersecurity program
- Student: US citizen or Permanent Resident, enrolled in cybersecurity program (full time)



NSF CyberCorps®: Scholarship for Service (SFS) Program



Benefits

- Full tuition, stipend (\$22.5K/\$34K per year), and fees/insurance/allowance (up to \$9K per year), up to 3 years
- Summer internship, JobFair, post-graduation service requirement (work in government positions equal to scholarship length)



NSF CyberCorps®: Scholarship for Service (SFS) Program



Capacity Building Activities



Inspiring the next generation of cyber stars

Join us in Tucson, AZ on March 31st-April 1st for WICyS 2017

Contact Information



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