Secure and Trustworthy Cyberspace (SaTC) Town Hall

SaTC Team Members

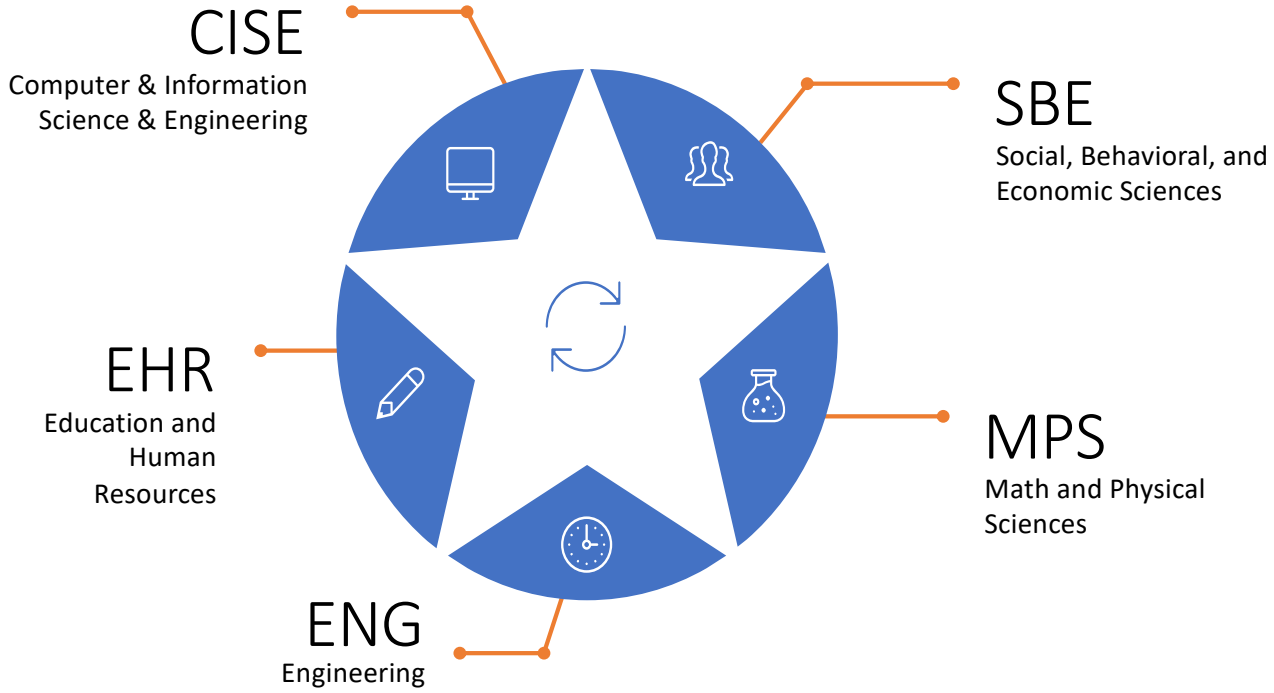
- Jeremy Epstein (lead, systems)
- Nina Amla (crypto, formal methods)
- Nancy Arce (admin team)
- Rob Beverly (transition to practice)
- Dan Cosley (usable security)
- Sol Greenspan (software security)
- James Joshi (privacy)
- Sara Kiesler (social sciences)
- Wei-Shinn Ku (data science)
- Rosa (“Ale”) Lukaszew (engineering)
- Daniela Oliveira (systems)
- Victor Piotrowski (education)
- Andy Pollington (math, crypto)
- Balakrishnan Prabhakaran (AI/ML)
- Phil Regalia (CPS)
- Gang Qu (hardware)
- Pam Shaw (admin team)
- Rich Sheehey (admin team)
- Alex Sprintson (networking)
- Nigamanth Sridhar (education)
- Li Yang (education)

Event Structure

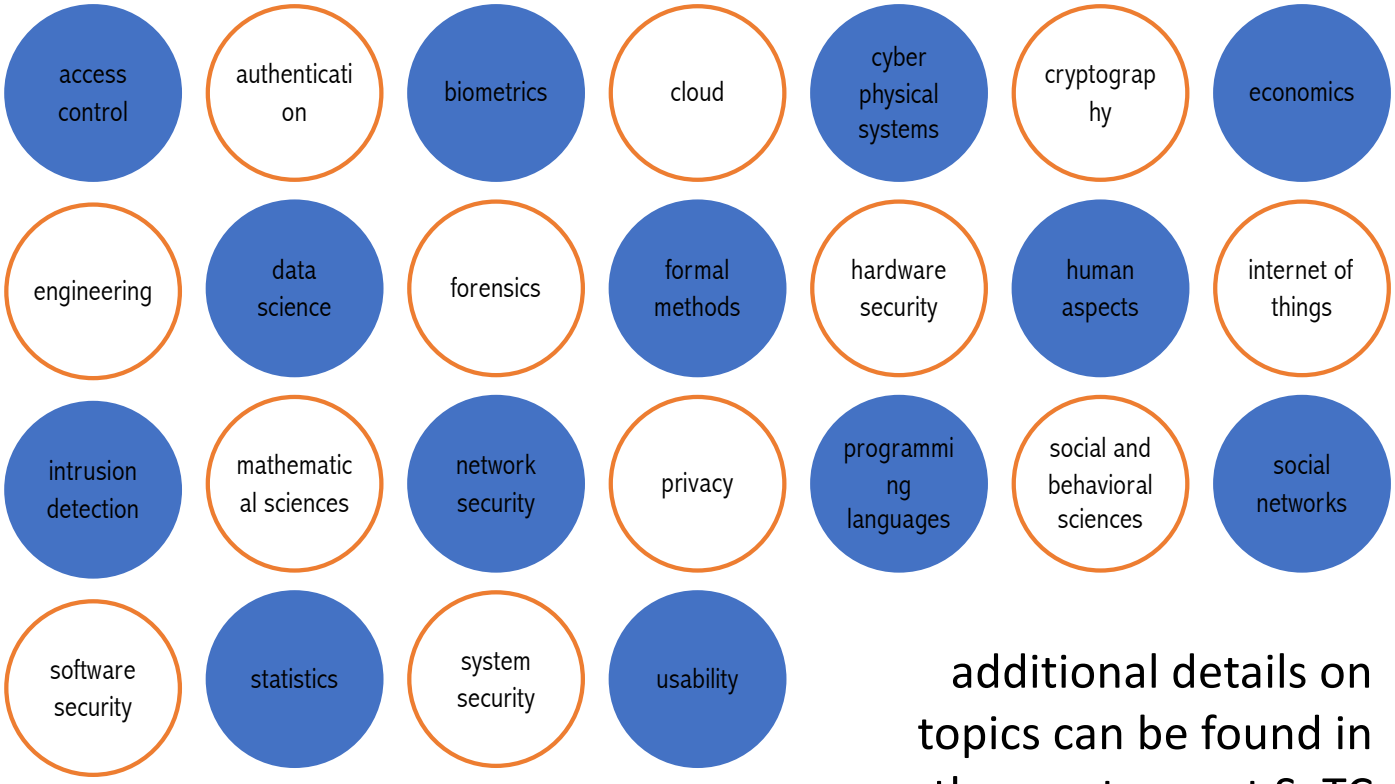
- Brief welcomes & SaTC overview – 12:00-12:30pm
  - Gurdip Singh, Division Director, CISE/CNS
  - Juan Meza, Division Director, MPS/DMS
  - Kim Barrett, Division Director, EHR/DGE
  - Alan Tomkins, Deputy Division Director, SBE/SES
- Then eight (!) breakout sessions for discussion/Q&A 12:30pm-4:30pm
  1. Room #1 is always a hallway track – a place to meet your colleagues
  2. Rooms #2, 3, 4, and 5 are topics *mostly* with a program officer – no presentations, just discussions (some hosted by non-NSF people)
  3. Rooms #6-10 are available for private conversations – self-organizing
- Last session (4:30-5:00pm) is a placeholder if any last minute ideas come up or requests to do sessions a second time – we'll share the info in the chat for all rooms if we add something there

Secure and Trustworthy Cyberspace (SaTC): NSF's Largest Research Program

SaTC approaches security and privacy as a socio-technical problem involving deep scientific and engineering problems as well as vulnerabilities that arise from human behaviors



About 1020 Active Awards in These Topic Areas



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

Designation Summary - NSF 22-517

CORE:	Transition to Practice (TTP):	Education (EDU):
Focus: Fundamental research in one/more of CISE/SBE/MPS/ENG Funding levels: • **Small**: Up to 3 years, $600K • **Medium**: Up to 4 years, $1.2M No submission deadlines Mediums must include BPC plan Open to universities & non-profits; PI may submit 2 proposals/FY Int'l collaboration programs with Israel & Ireland	Focus: transitioning existing research results to practice Funding levels: • **Small**: Up to 3 years, $600K • **Medium**: Up to 4 years, $1.2M No submission deadlines Mediums must include BPC plan Open to universities & non-profits; PI may submit 1 proposal/FY	Focus: cybersecurity education Funding levels: • Up to 3 years, $400K • If include both computer scientist and education specialist, up to $500K No submission deadlines Open to universities & non-profits; PI may submit 1 proposal/FY

A Few FAQs

- How do I become a panelist?
  - Fill out the survey: https://www.surveymonkey.com/r/SatcVolunteer2022
- When is the “best” time to submit my proposal?
  - When it’s ready – no “best” time from a funding perspective
- What topics are most of interest to SaTC?
  - The ones you find most exciting – we’re driven by the best ideas (“curiosity driven research”), not by a target of particular ideas
- How can I get help writing a good SaTC proposal?
  - Attend CISE CAREER workshops and CRA Career Mentoring Workshop (both held each spring)
  - Show your drafts to colleagues who have written successful NSF awards and/or have served on NSF panels

Staying connected to SaTC

To join the SaTC mailing list: Send “subscribe SaTC-announce” to listserv@listserv.nsf.gov and then respond to the confirmation message.

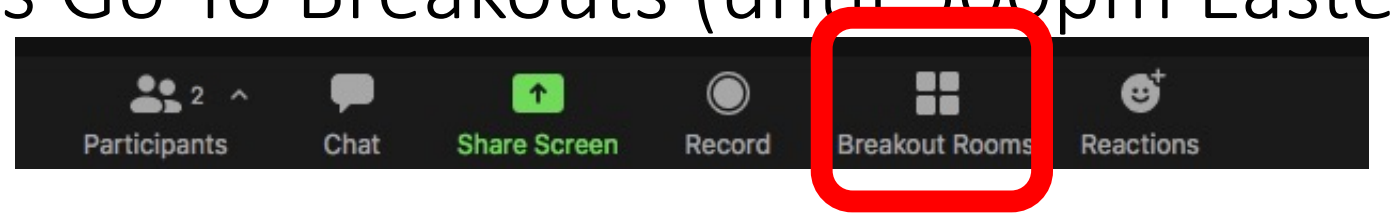
Serving on a SaTC Panel

https://www.surveymonkey.com/r/SatcVolunteer2022

What if my question doesn't get answered today?

- We'll try to answer as many as we can!
- Send your question to satc@nsf.gov and we'll respond promptly
- If you want feedback on whether your idea is in scope, send a 1-page (NOT LONGER) description
  - Do not send your full project description!
- If you want to know the status of your proposal:
  - NSF goal is ~75% response in six months

Let's Go To Breakouts (until 500pm Eastern)!



IMPORTANT: You can leave the breakout, come back to the main room, and then join another breakout – just like in real life!

Problems? Come back to this room and ask Pam Shaw or Rich Sheehey, who will be here and can help you!

Session A: 1230-1255pm

- Room #1: Hallway track
- Room #2: Education (Li Yang, Nigamanth Sridhar, Victor Piotrowski)
- Room #3: Cryptography (Nina Amla, Andy Pollington, Phil Regalia)
- Room #4: Mobile & IoT security (Murtuza Jadliwala, Univ of Texas San Antonio)
- Room #5: AI Institutes & security (Dan Cosley, Sol Greenspan, Jim Donlon, Rebecca Hwa)

Session B: 100-125pm

- Room #1: Hallway track
- Room #2: Social/Behavioral/Economic Sciences (Sara Kiesler)
- Room #3: : Innovation Corps (I-Corps) (Becky Shearman & Ruth Shuman)
- Room #4: Convergence Accelerators (Doug Maughan & Mike Pozmantier)
- Rom #5: K-12 education (Laurin Buchanan, Secure Decisions)

Session C: 130pm-155pm

- Room #1: Hallway track
- Room #2: Networking (Alex Sprintson)
- Room #3: Human Centered Design (Dan Cosley)
- Room #4: Producing and Sharing Research Artifacts (Terry Benzel, USC/ISI; Dave Balenson & Laura Tinnel, SRI International)
- Room #5: SaTC PI meeting (Mike Reiter, Duke; Heather Lipford, UNC Charlotte; Will Enck, NCSU

Session D: 200pm-225pm

- Room #1: Hallway track
- Room #2: Secure and Trustworthy Internet of Things (Jack Zhang, Univ of Houston)
- Room #3: Broadening Participation in Computing (Michelle Rogers)
- Room #4Hardware security (Gang Qu & Jeremy Epstein)
- Room #5: Evidence Based Practice (Laurin Buchanan, Secure Decisions)

Session E: 230pm-255pm

- Room #1: Hallway track
- Room #2: Privacy (James Joshi)
- Room #3: Transition to Practice (Rob Beverly)
- Room #4: Broadening Participation in Computing (Michelle Rogers)
- Room #5: Capturing Experimental Results (Terry Benzel, USC/ISI & Dave Balenson, SRI International)

Session F: 300pm-325pm

- Room #1: Hallway track
- Room #2: Artificial Intelligence & Machine Learning (Wei-Shinn Ku & Balakrishnan Prabhakaran)
- Room #3: International collaborations (Jeremy Epstein)
- Room #4: Security research at Minority Serving Institutions (Nigamanth Sridhar)
- Room #5: Understanding annual/final reports (Rich Sheehey & Nancy Arce & Pam Shaw)

Session G: 330pm-355pm

- Room #1: Hallway track
- Room #2: Software & formal methods (Sol Greenspan)
- Room #3: Human subjects & IRB (Melanie Hughes)
- Room #4: Research at non-R1 institutions (Daniela Oliveira & Adam Aviv, GWU)
- Room #5: Artificial Intelligence and Cybersecurity (Sagar Samtani, Indiana Univ)

Session H: 400pm-425pm

- Room #1: Hallway track
- Room #2: Information Integrity (Nina Amla, Sara Kiesler, Dan Cosley)
- Room #3: Education (Li Yang, Nigamanth Sridhar, Victor Piotrowski)
- Room #4: Systems (Daniela Oliveira and Jeremy Epstein)
- Room #5: Understanding annual/final reports (Rich Sheehey & Nancy Arce & Pam Shaw)

Session J: 430pm-455pm

- Room #1: Hallway track
- Room #2: Reruns (any session that people want to do again because of conflict)
- Room #3: Reruns (any session that people want to do again because of conflict)
- Room #4: Reruns (any session that people want to do again because of conflict)
- Room #5: Reruns (any session that people want to do again because of conflict)