

IEEE Computer Society's Technical Committee on Security and Privacy (TCSP)



2021 TCSP Business Meeting

May 26, 2021

Cyberspace

Agenda

- IEEE S&P finances & registration
- IEEE S&P Shadow PC Report
- TCSP Status Report for 2021
- Service Awards
- Vote for the new TCSP Vice Chair
- Ethics review board

IEEE S&P Treasurer Report

Daniel Takabi,
Georgia State
University

Description	\$*
Registrations	\$59,500
Donations	\$85,000
TC Support	\$1,600
Total Income	\$146,100
Virtual Conference Platform Fee	\$57,000
Registration & Meeting Planning Support	\$35,500
Proceedings	\$15,500
Student Travel + Awards	\$10,600
Bank Charges	\$4,500
Misc. Expenses	\$1200
Total Expenses	\$124,300
Expected Surplus	\$21,800

*Estimated values

IEEE S&P Registration Report

Rakesh Bobba, Oregon State University

Registration Overview

Online conference changes

- No separate registration for Symposium and Workshops
- No early bird registration
- No difference in prices between IEEE members/non-members
- Three categories: Paper Presenter / General Attendee / Student Attendee

ExecutivEvents continues to provide significant value in managing the registration process and now the online experience as well. Thank You!

Registration Overview



Total Number of Registrations: **1231** (37.3% ↓)



Paid Registrations: **1034** (38.5% ↓)



General Attendee: **452**



Student Registrations: **455**

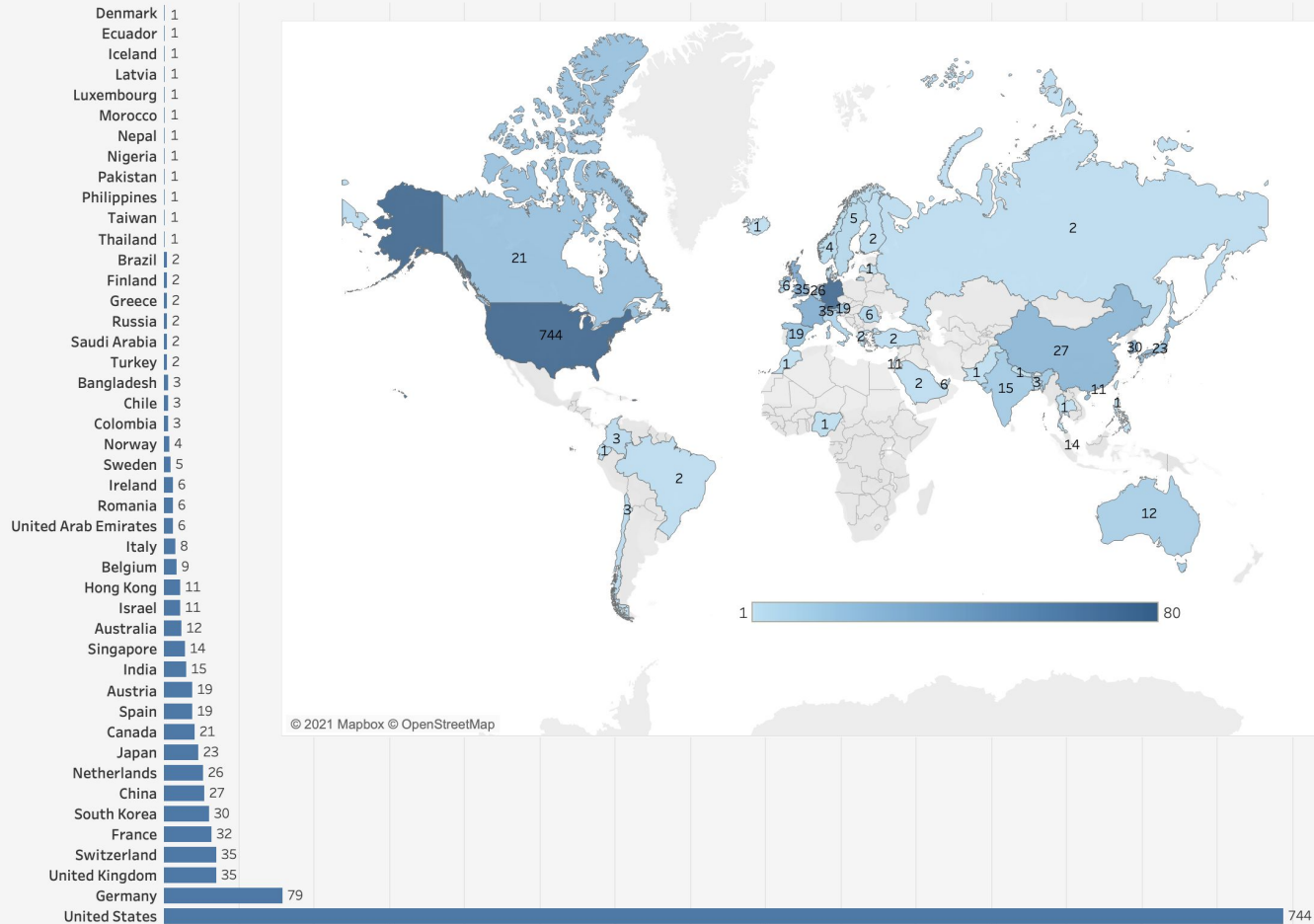


Paper Registrations: **176**

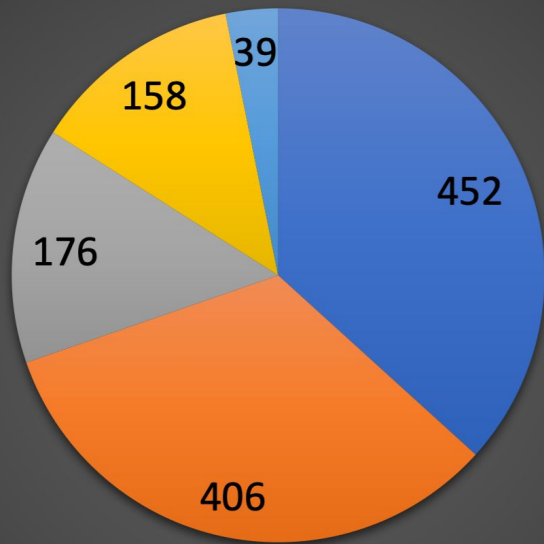


Donors / Other: **197**

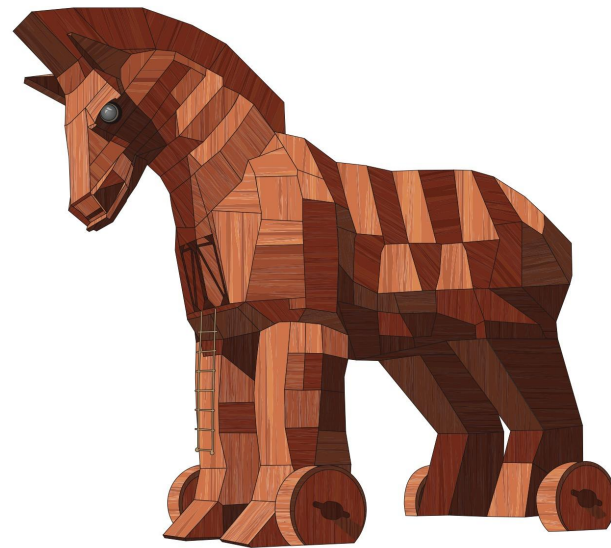
Geographic Registration Distribution



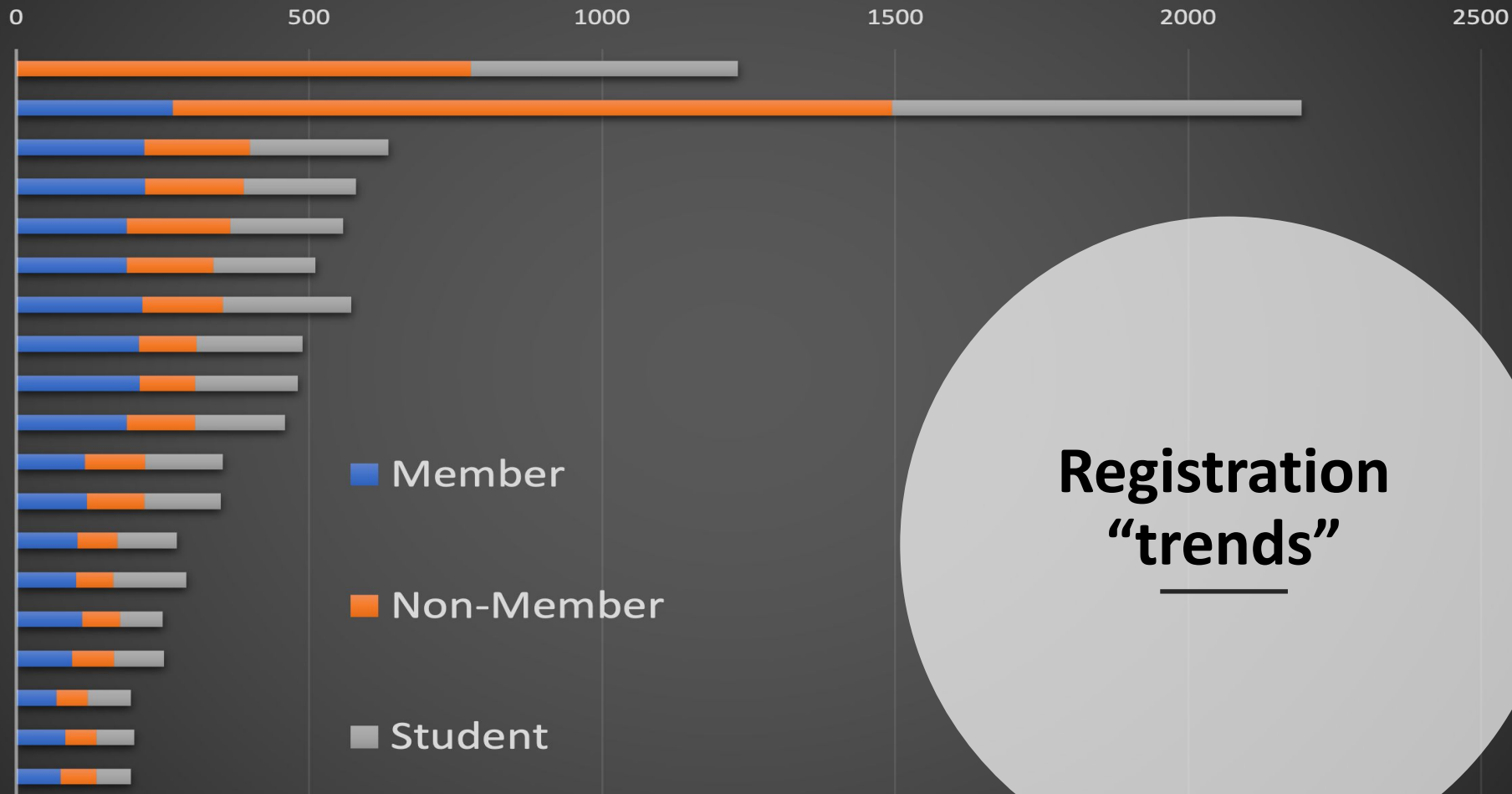
Registration: 1231 Total



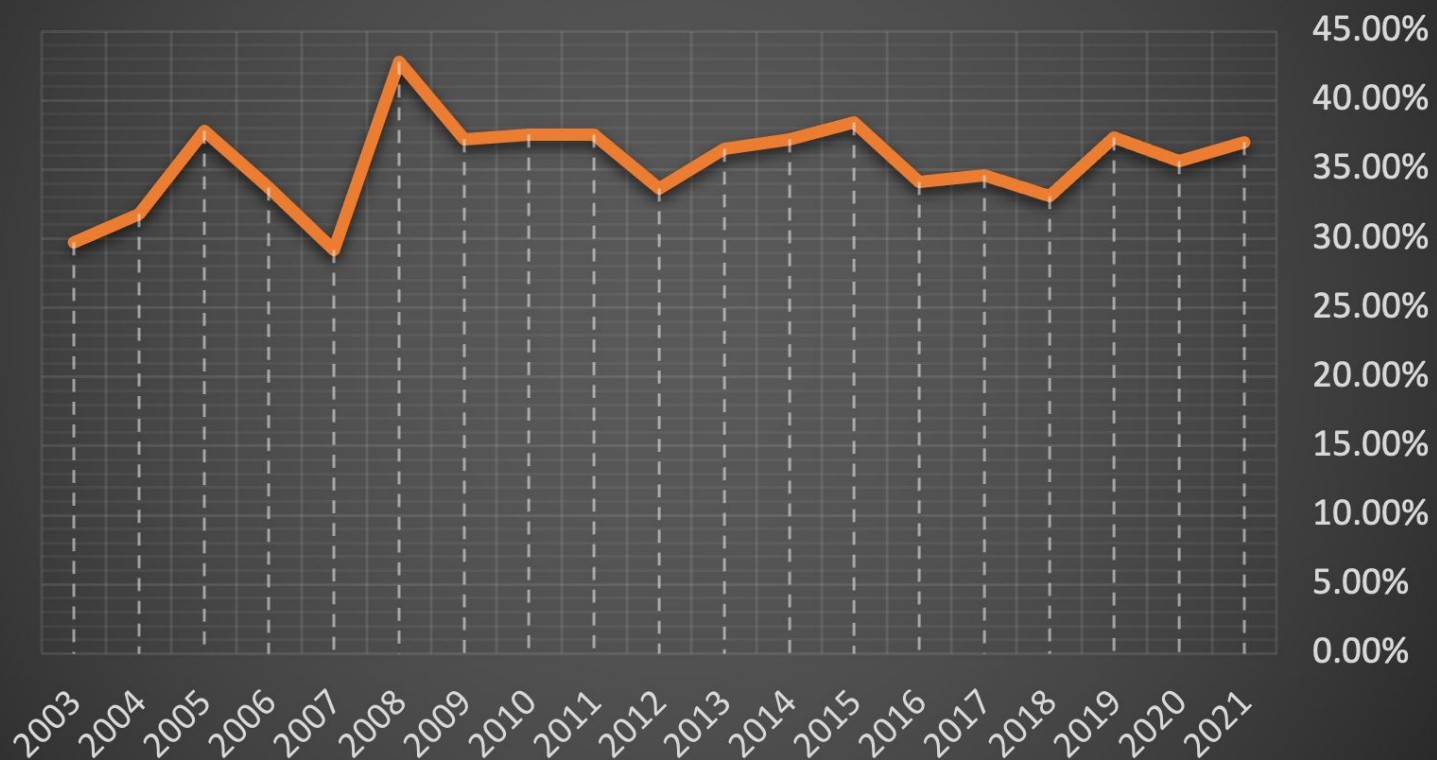
■ General Attendee ■ Student Attendee ■ Paper Registrations ■ Donors ■ Others



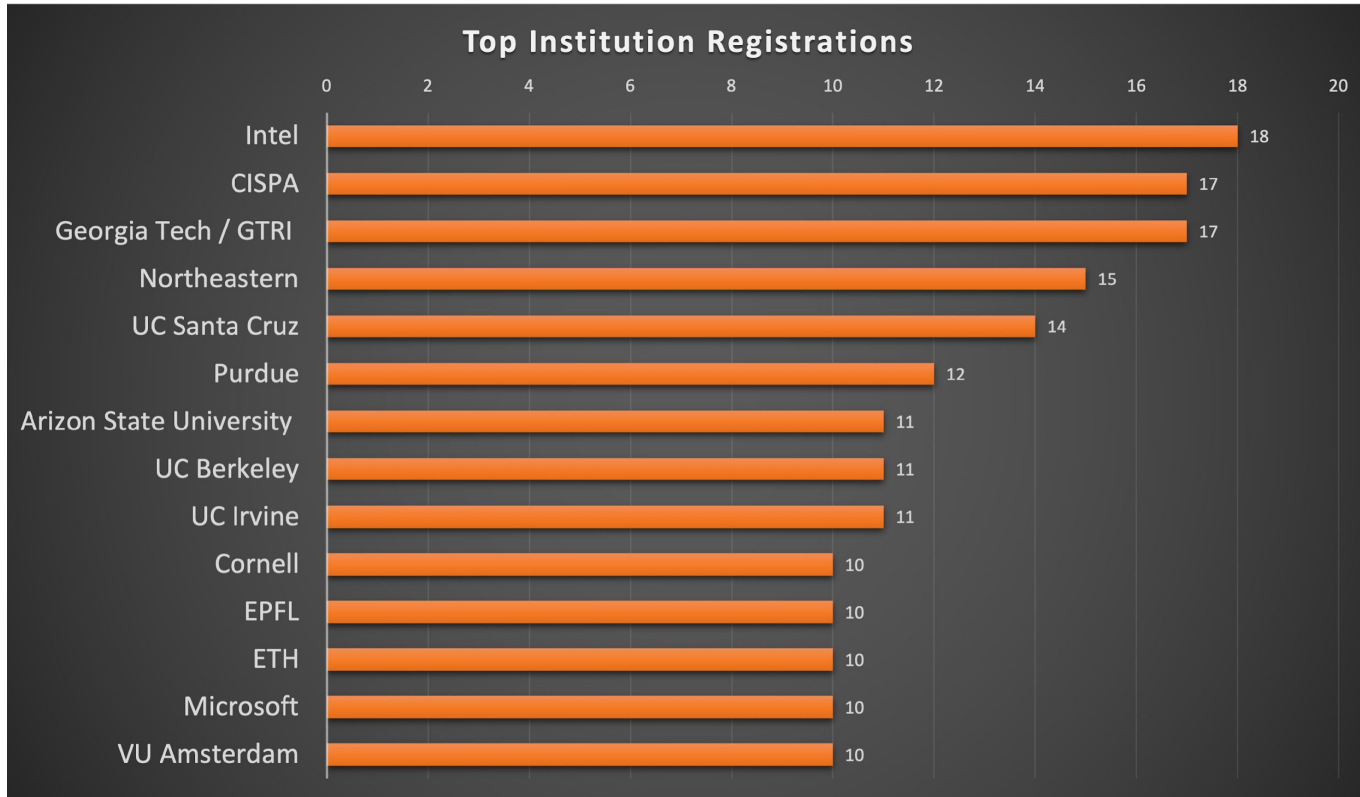
Registration Trends



Student %



Top Institution Registrations



IEEE S&P Shadow PC Report

Reza Shokri, National University of Singapore

Yuan Tian, University of Virginia

Shadow PC - Process and Results

- Objectives
- New Things We Experimented
- Pre-Meeting
- Online PC Meeting
- Results

Objectives

- Educating the junior reviewers
 - Top reviewers are joining the next year's PC of Oakland
- Emphasize discussions
 - We postponed the decision-making to the end of the review process.
 - We had multiple rounds of discussions
 - The discussion leads were responsible for the quality of all the reviews (and not only writing the meta-reviews)

New Things This Year

- No accept/reject options in the first review form
 - Ask reviewers to focus on the research value of the paper instead of focus on the decision to accept/reject
 - During the discussion stage, we will ask the reviewers to update their reviews with new forms
- Emphasize the role of the discussion lead
 - The discussion leads are responsible for other people's reviews
 - We ask the discussion lead to write a meta-review
 - We encourage reviewers to use the review ratings

Shadow PC Pre-Meeting

- Shadow PC is very selective (78 out of 189 applicants are selected)
- PC onboard meeting to explain the review and discussion process
- Selection of 187 papers from the main PC
- Bidding, reviewing (1 round), and online discussion (4 rounds) simulated a real PC

Shadow PC Meeting

- After 4 rounds of discussions, reviewers already reached consensus for most papers
- We went over 15 most difficult papers during a 3-hour online PC meeting

Shadow PC Results

- Shadow PC tended to be slightly more positive comparing to Main PC

	Shadow PC	Main PC
Accept (including minor revisions)	26	21
Revise (major revisions)	52	18
Reject	109	148
Acceptance Rate	13.9%~41.7%	11.2%~20.9%

Shadow PC Results

- Confusion matrix for the 187 papers
 - Shadow PC agreed with 58.8% of the papers with main PC
 - Results seem to be very different for the accepted paper

	Main Accept	Main Revise	Main Reject
Shadow Accept	6	5	15
Shadow Revise	9	7	36
Shadow Reject	6	6	97

Symposium Updates for 2022

- S&P 2022 General Chair:
Rakesh Bobba, Oregon State
- S&P 2022 Vice Chair:
Daniel Takabi, Georgia State
- S&P 2022 Program Chairs:
Thorsten Holz, Ruhr-University Bochum
Tom Ristenpart, Cornell Tech

Symposium Challenges for 2022

Hopefully transitioning back to an in-person meeting

Need to find ways to keep positives of online meeting

IEEE Technical Committee on Security & Privacy (TCSP)

IEEE TCSP

- Currently serving TCSP officers
 - 2020-2021 Chair:
Úlfar Erlingsson, Apple
 - 2020-2021 Vice Chair and 2022–2023 Chair-elect:
Bryan Parno, CMU
 - TCSP Treasurer:
Yong Guan, Iowa State University

IEEE TCSP

- Additional TCSP Volunteers

Cipher Newsletter Editor

Hilarie Orman, Purple Streak, Inc.

TCSP Webmasters / Postmasters:

Ulf Lindqvist, SRI International

TCSP Awards Chair

EJ Jung, University of San Francisco

TCSP Status Report

- TCSP: More than 3,008 members
 - Anyone can join:
 - <http://computer.org/jointcsp>
- Financial Co-Sponsorship:
 - S&P
 - CSF
 - Euro S&P (since 2016)
 - SecDev (since 2018)
 - HOST (50%, since 2018)

TCSP Status Report contd.

Reports will be available at: <http://www.ieee-security.org/TC/Reports.html>

<u>Event</u>	<u>Dates</u>	<u>Location</u>	<u>Attendees</u>	<u>Submissions</u>	<u>Accepted</u>
S&P/SPW 2021	May 24-26, 2021	Online	1129	952	115
S&P/SPW 2020	May 18-20, 2020	Online	1967	841	104
Euro S&P 2020	Sept. 7 - 11, 2020	Online	337	187	39
CSF 2020	June 22 - 26, 2020	Online	--	116	29
SecDev 2020	Sept. 28 - 30, 2020	Online	90		
HOST 2020	Dec. 7 - 11, 2020	Online	--	104	30

TCSP Status Report

Reports will be available at: <http://www.ieee-security.org/TC/Reports.html>

- Financials

- \$36k budget approved
- Planned to go back to the conferences
 - SecDev deficit installment payment (\$7.8k)
 - Financial support of TC operations and Awards (\$15.5k)
 - Operations: Hosting + Part-time TC IT admin (\$12.5k)
 - Test-of-time and other Awards (\$3k)
 - Engaging Students (\$12.5k)
 - Financial support of student travel/registration (\$7.5k)
 - Financial support of students events (e.g., speed mentoring) (\$5k)

New Policies for TCSP Conferences

- Rules for disclosing financial conflicts of interest
- Explicit anti-harassment policies
 - Procedures for receiving, recording, and responding to reports

New S&P Steering Committee

Responsibilities:

1. Setting long-term policies for the S&P
2. Guidance to S&P General/PC chairs
3. Junior PC Chair selection

Logistics

1. Term of service is 5 years with an option for 1 renewal
2. New SC members invited by the current SC
3. Members include past General and PC Chairs, people known for service to the community, and the TCSP Chair and Vice Chair

New S&P Steering Committee

Ulfar Erlingsson (TC Chair) - Lacework

Christopher Kruegel - UC Santa Barbara

Alina Oprea - Northeastern University

Bryan Parno (TC Vice Chair) - Carnegie Mellon University

Sean Peisert - UC Davis

Michael Reiter - Duke University

Hovav Shacham - University of Texas at Austin

Greg Shannon - Carnegie Mellon University & Cybersecurity Manufacturing
Innovation Institute

Carmela Troncoso - EPFL

In Progress: TCSP IT Admin

- Motivation
 - Many TCSP conferences have ongoing submissions and would benefit from shared TCSP-run infrastructure (instead of volunteer servers/time)
 - Web presence needs updating, as do email and web servers
 - Membership rosters of General TCSP members need more maintenance and members could be better served with online options (e.g., iCalendar for events, etc).
 - YouTube channel and other archives need reworking & maintenance
- Progress
 - Multiple candidates interviewed
 - Hoping to hire soon

Awards

TCSP Recognition for Outstanding Community Service

- Alvaro Cardenas
SP 2021 General Chair, SP 2020 Vice General Chair, SP 2019 Treasurer
(+ SP 2014-2018 Student Travel Chair + SP 2013 Donations Chair)
- Alina Oprea
SP 2021 Senior PC Chair and SP 2021 Junior PC Chair
- Somesh Jha
Chair, IEEE Symposium on Security and Privacy Test of Time Awards
Committee for 2009-2011

Vote for TCSP Vice Chair

Nominee: Gabriela Ciocarlie



- Chief Product Officer at Elpha Secure
Previously Sr. Technical Manager SRI
- S&P General Chair 2020
- S&P Vice Chair & Registration Chair 2019
- S&P Workshops Chair 2018

Please vote in the Hopin poll!

Ethics Board

Long-term Ethical Support

- Create a standing committee of experts in ethical research?
- Available to authors and PCs
 - For all TCSP conferences
- Ideally coordinate with other security conferences
- Need to find a sustainable model
- Volunteers needed! Thoughts?

Thanks everybody

IEEE S&P “Test of Time Awards”

- Established IEEE S&P “Test of Time Awards”
 - Committee established rules
 - Stefan Savage, Chair
 - Úlfar Erlingsson
 - Bryan Parno
 - Mike Reiter
- Current round: 2009-2011 Committee
 - Somesh Jha (Chair)
 - Lorrie Cranor
 - Patrick McDaniel
 - Andrew Myers