

# CSET'19: The 12th USENIX Workshop on Cyber Security Experimentation and Test

Monday, August 12th, 2019

Opening Remarks

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WIFI info: SSID: USENIX

password: SECURITY19

# Welcome to CSET'19!

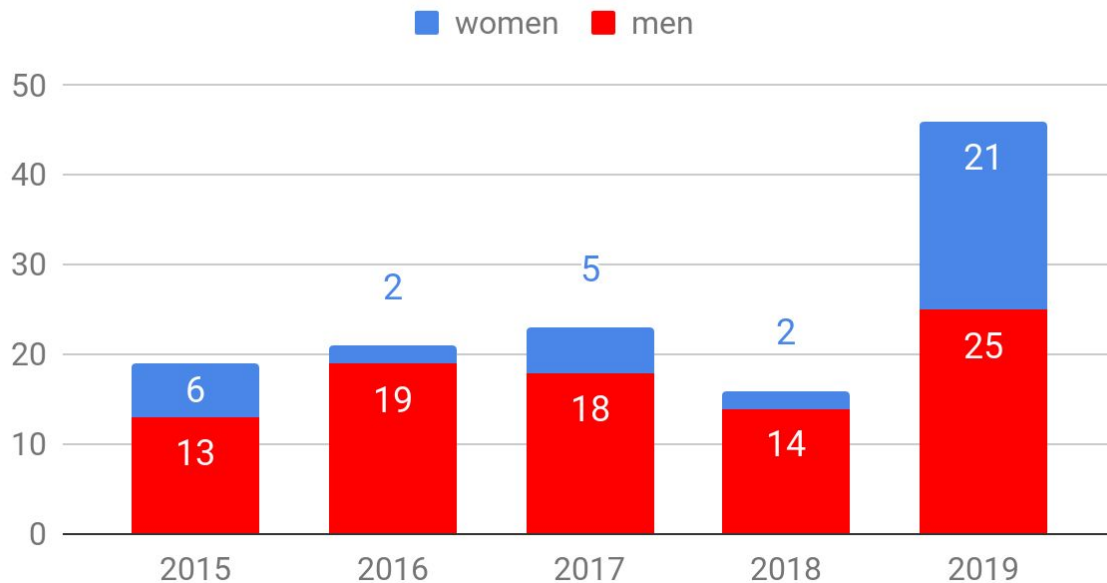
The USENIX Workshop on Cyber Security Experimentation and Test (CSET) is a forum for researchers and practitioners in academia, government, and industry to explore the significant challenges within the science of cyber security.

This year, CSET features: **preliminary work** papers describing works-in-progress and results, **extended work** papers expanding upon a CSET-related component of previously published work, **traditional research**, and **experience papers**. We also solicited work covering a more diverse set of topic areas on the science of cyber security than those that have traditionally appeared at the workshop.

# Program Committee for CSET 2019

- Much larger PC
  - 2015: 19 members
  - 2016: 21 members
  - 2017: 23 members
  - 2018: 16 members
  - **2019: 46 members**
- Improved gender balance
  - 2015: ~32% female
  - 2016: ~10% female
  - 2017: ~22% female
  - 2018: ~13% female
  - **2019: ~46% female**

PC Size and Approximate Gender Balance by Year

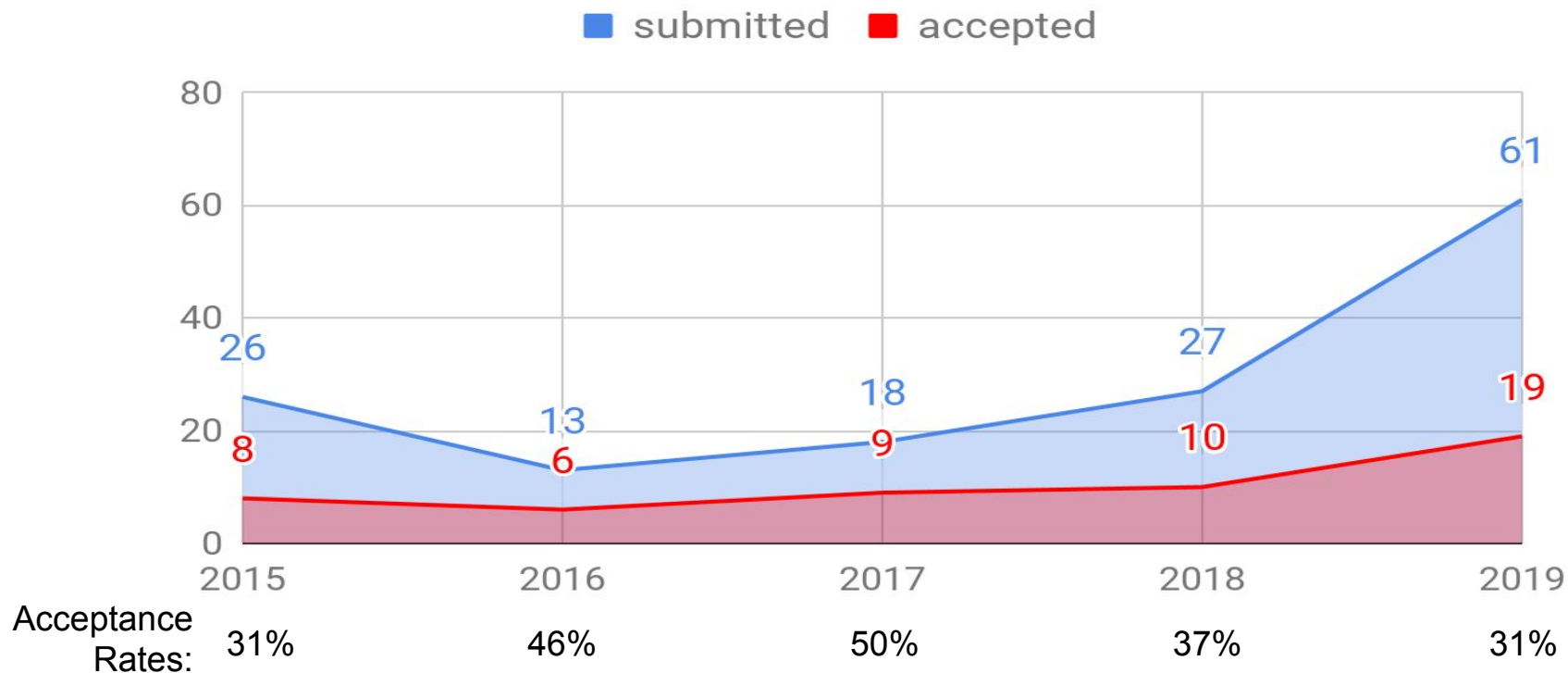


# Review Process

- **61 papers submitted** and reviewed!
- Each paper assigned 3 reviewers based on expertise and preference
- Each reviewer assigned 3-4 papers
- Criteria: significance, novelty, technical quality, and potential to spark discussion at workshop
- Online discussion following review period to converge on decisions
- Result: **19/61 accepted papers (31%)**

# More Interest in CSET in 2019!

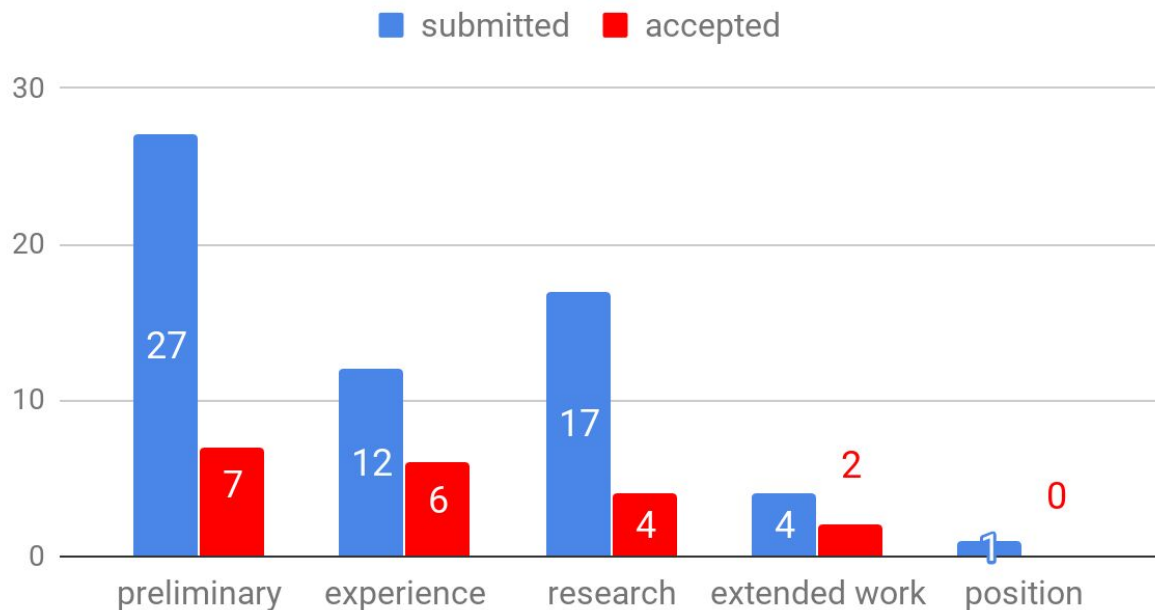
CSET Papers Submitted vs. Accepted by Year



# Submission Changes for CSET 2019

- Preliminary work
  - 27/61, 7 accepted
- Experience
  - 12/61, 6 accepted
- Research
  - 17/61, 4 accepted
- Extended work
  - 4/61, 2 accepted
- Position
  - 1/61, 0 accepted

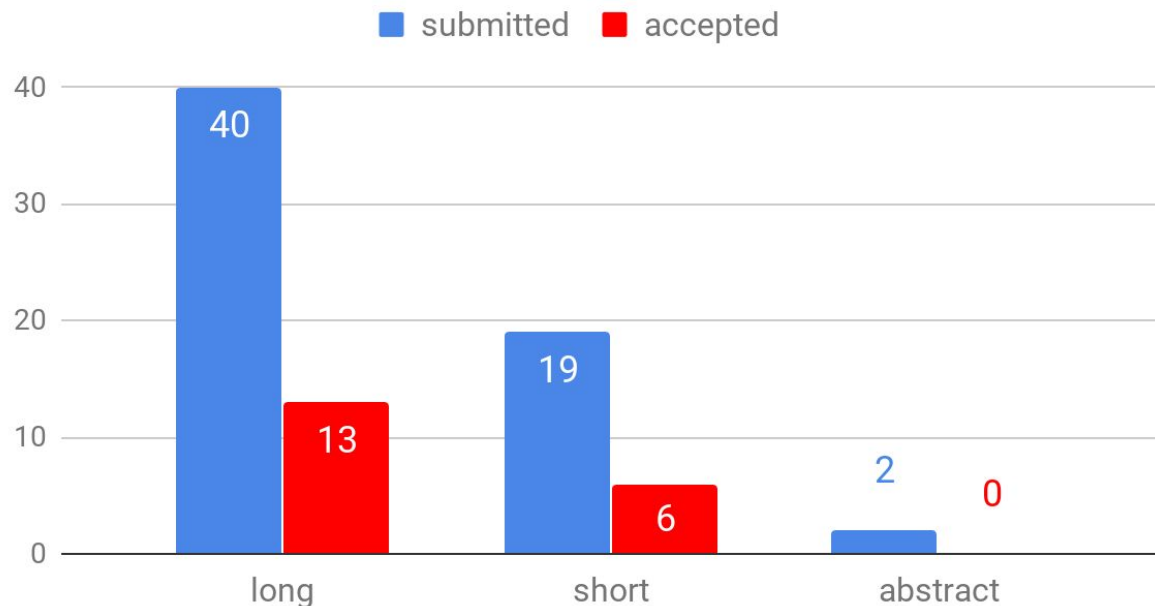
Paper Content Type



# Submission Changes for CSET 2019

- Long
  - 40/61, 13 accepted
- Short
  - 19/61, 6 accepted
- Extended Abstract
  - 2/61, 0 accepted

Submission Format



# CSET'19 Program Agenda

9:00 - 9:10a	Opening Remarks
9:10 - 10:25a	Cyberphysical and Embedded Testbeds and Techniques
10:25 - 10:55a	Break with Refreshments
10:55 - 12:10p	Data and Metrics
12:10 - 1:30p	Luncheon - Terra Courtyard (* <u>not</u> Mezzanine)
1:30 - 2:45p	Usability, Effects and Impacts
2:45 - 2:55p	Short Break
2:55 - 4:00p	Problems and Approaches
4:00 - 4:30p	Break with Refreshments
4:30 - 5:30p	Testbeds and Frameworks
5:45 - 6:45p	Monday Happy Hour
7:00 -	Dinner (See Peter / Sign-up Sheet [Hyatt pad] in back!)

Full program online: <https://www.usenix.org/conference/cset19/workshop-program>



# Thanks to the Program Committee

- Gunes Acar, *Princeton University*
  - Sadia Afroz, *University of California, Berkeley*
  - **David Balenson**, *SRI International*
  - Genevieve Bartlett, *USC ISI*
  - Lujo Bauer, *Carnegie Mellon University*
  - Matt Bishop, *University of California, Davis*
  - Cecylia Bocovich, *University of Waterloo*
  - Nikita Borisov, *U. of Illinois at Urbana-Champaign*
  - Kevin Butler, *University of Florida*
  - L. Jean Camp, *Indiana University*
  - **Stephen Checkoway**, *Oberlin College*
  - **Heather Crawford**, *Florida Institute of Technology*
  - Tamara Denning, *University of Utah*
  - Sven Dietrich, *The City University of New York*
  - Brendan Dolan-Gavitt, *New York University*
  - Adam Doupe, *Arizona State University*
  - Josiah Dykstra, *National Security Agency*
  - **Eric Eide**, *University of Utah*
  - Tariq Elahi, *University of Edinburgh*
  - William Enck, *North Carolina State University*
  - Jennifer Fernick, *NCC Group*
  - Deb Frincke, *National Security Agency*
  - Simson Garfinkel, *US Census Bureau*
  - Ian Goldberg, *University of Waterloo*
  - Julie Haney, *NIST*
- Bold** = Session Chair  
**Underline** = Shepherd

# Thanks to the Program Committee

- Erik Kline, *USC ISI*
- Fanny Lalonde Levesque, *Element AI*
- Ada Lerner, *Wellesley College*
- Dave Levin, *University of Maryland, College Park*
- Damon McCoy, *New York University*
- Catherine Meadows, *U.S. Naval Research Lab*
- Alyssa Milburn, *Vrije Universiteit Amsterdam*
- Ariana Mirian, *University of California, San Diego*
- Tyler Moore, *University of Tulsa*
- **Elissa Redmiles**, *MSR and Princeton*
- Stefanie Roos, *TU Delft*
- Stephen Schwab, *USC ISI*
- Mahmood Sharif, *Carnegie Mellon University*
- Jessica Staddon, *Google*
- Laura S. Tinnel, *SRI International*

- Carmela Tronosco, *EPFL*
- Michael Carl Tschantz, *Intl. Comp. Sci. Inst. (ICSI)*
- Ingrid Verbauwhede, *KU Leuven*
- Daniel Votipka, *U. of Maryland, College Park*
- Robert Walls, *Worcester Polytechnic Institute*
- Daphne Yao, *VA Polytechnic Inst. and State U.*

**Bold** = Session Chair

Underline = Shepherd

Special thanks to **Jelena Mirkovic** (USC ISI & CSET Steering Committee) for chairing Session 5.

# Thanks to the Organizers

## **Steering Committee**

Terry V. Benzel, *USC Information Sciences Institute (ISI)*

Jelena Mirkovic, *USC Information Sciences Institute (ISI)*

Sean Peisert, *University of California, Davis, and Lawrence Berkeley National Laboratory*

Stephen Schwab, *USC Information Sciences Institute (ISI)*

## **Program Co-Chairs**

Rob Jansen, *U.S. Naval Research Laboratory*

Peter Peterson, *University of Minnesota Duluth*

# Thanks to our Sponsor



## **USENIX Association Staff**

Casey Henderson

Jasmine Murcia

Michele Nelson

Sarah TerHune

USENIX Conference/Production Team

# Notes for Speakers

USENIX provides the following equipment:

- 1 LCD projector (VGA & HDMI) and 1 screen
- 1 wireless microphone
- Cables and extension cords
- Please note: laptops are not provided.

Slides should set up for a 16:9 aspect ratio.

In order to make your presentation available on the USENIX website immediately after the workshop, please email a PDF of your slides to **slides@usenix.org** as soon as possible after your presentation.

- Short paper talks have **15 minutes total time** and long paper talks have **20 minutes total time**.
- Please allow **at least the final 5 minutes** of your talk for questions and discussion.
- Please make sure you're ready to go during by the previous speaker's question time.
- Please introduce yourself to your session chair (listed on the program) before your session begins!

# Code of Conduct

Please note the USENIX Code of Conduct and Event Guidelines for Speakers:

Full document available here: <https://www.usenix.org/conferences/coc>

## ***What constitutes harassment?***

*Harassment includes—but is not limited to—unwelcome conduct or offensive verbal comments related to gender, gender identity, gender expression, sexual orientation, age, disability, physical appearance, body size, race, national origin, or religion; deliberate intimidation, stalking, following, unwelcome or unauthorized photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome sexual attention. Similarly, encouraging others to engage in such behavior is not permitted, nor are false accusations of harassment.*

Thank you for attending!  
Enjoy the workshop!