Welcome to ACSAC 39!!

https://www.acsac.org/
Welcome
  ○ Guofei Gu, Conference Chair

Technical Program and Distinguished Paper Awards
  ○ Roberto Perdisci and Martina Lindorfer, Program Co-Chairs

Distinguished Paper with Artifacts Awards
  ○ Adwait Nadkarni and Xiaojing Liao, AE Co-Chairs

SWSIS Scholarship Presentations
  ○ Gabriela Ciocarlie, ACSA Senior Fellow

Keynote
  ○ Nicholas Carlini, Research Scientist, Google DeepMind
About ACSAC

● Core mission: Investigate practical solutions for computer and network security technology

● A broad cross-section of security professionals drawn from academia, industry, and government

● Fun fact: ACSAC is among the oldest computer security conferences! (strong tradition)
  ○ ACSAC started from 1985
  ○ ACM CCS started from 1993
  ○ USENIX Security started from 1988
  ○ NDSS started from 1994
  ○ IEEE S&P started from 1980
Wi-Fi Access

- The hotel provides Wi-Fi access from the meeting rooms.

The account is UTguest and no password required.
Program At-a-Glance (Wednesday)

- Breakfast
- Welcome and Awards
- Distinguished Practitioner Keynote
- Break
- Multi-track Sessions
- Lunch
- Multi-track Sessions
- Break
- Multi-track Sessions
- Conference Dinner
Program At-a-Glance (Thursday)

- Breakfast
- **Test of Time Paper Awards**
- **Cybersecurity Artifacts Impact Awards and Presentations**
- Break
- **Multi-track Sessions**
- Lunch
- **Multi-track Sessions**
- Break
- **Multi-track Sessions**
- **ACSAC: The Next Forty Years – Open Community Discussion**
- **Poster & Work in Progress Session w/ Light Refreshments**
Program At-a-Glance (Friday)

- Breakfast
- Multi-track Sessions
- Break
- Multi-track Sessions
- Closing with Prize Giveaway

- Optional Social Even
  - Lone Star River Boat Cruise (with Lunch)
Panels & National Interest Track

Wednesday
- Panel: Cybersecurity Across Diverse Industries -- It's Not Just Attack/Defend
- Panel: National Cybersecurity Research Directions

Thursday
- NITRD Panel: 2023 Federal Cybersecurity R&D Strategic Plan
- Panel: Securing the Nexus: Cybersecurity Meets AI

Friday
- Panel: ACSAC - Accessibility of Cyber Interfaces as a Priority
Case Studies

Wednesday

- Template Engines: A Methodology for Assessing Server-Side Code Execution Vulnerabilities. Lorenzo Pisu, University of Cagliari; Giorgio Giacinto, University of Cagliari
- Generative AI: A Security Case Study for Regulated Financial Service Organizations. Dennis Moreau, Intel

Thursday

- Working Towards Least Privilege in the Cloud. Kevin Roundy, Andromeda Security
- Beyond the XBOM: A Holistic Approach to Cyber Supply Chain Risk. Munish Walther-Puri, Exiger
Thank You to our Sponsors!!

- ACSA (Applied Computer Security Associates)
- SWSIS (Scholarships for Women Studying Information Security)
- The LASER Workshop
- New Security Paradigms Workshop
- Amazon Science
- IBM
- Carnegie Mellon University Software Engineering Institute

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Test of Time Paper Awards

- Recognize and honor selected papers from the first 20+ years (1985-2007) that have had a significant impact
  - Led to a major change in the field
  - Are used commercially
  - Have been well cited
  - Are well known as strong papers

https://www.wabisablearning.com/blog/13-educational-tools-test-time
Cybersecurity Artifacts Competition and Impact Awards

- **Importance of Cybersecurity Artifacts**
- Introduced last year, this year we continue the Artifacts Competition
  - Broadly open to cybersecurity artifacts previously published in all peer-reviewed venues (conferences, journals), both in academia and industry.

- **Example of “Impact”**
  - The artifact has been reused and cited in subsequent research publications presented in academic or industry venues.
  - The artifact has been released as open-source software and has received demonstrable appreciation by the security community (e.g., in the form of "stars," "forks," or other types of citations).
  - The artifact has been successfully transitioned to a commercial technology.
  - The artifact consists of an online service that is open to the public or to researchers and demonstrates a significant number of users benefiting from it.
  - The artifact has become a de facto benchmark for one or more use cases.
Optional Social Outing - Lone Star River Boat Cruise

- Stay for the Friday closing so you don't miss our rockin' giveaways with Emcee Z, then embark on the Lone Star River Boat Cruise for lunch and an afternoon social
- Friday noon
- Check at REGISTRATION DESK if interested
Mobile Program

https://www.openconf.org/acssac2023/mobile
Conference Proceedings

- Via ACM Digital Library
  https://dl.acm.org/conference/acsac
  https://dl.acm.org/doi/proceedings/10.1145/3627106

- Via ACSAC website
  https://www.acsac.org/2023/program/papers/
Organizing Committee

- **Conference Chair**
  Guofei Gu, Texas A&M University

- **Program Chair**
  Roberto Perdisci, University of Georgia and Georgia Tech

- **Program Co-Chair**
  Martina Lindorfer, TU Wien

- **Artifacts Evaluation Co-Chairs**
  Adwait Nadkarni, William & Mary
  Xiaojing Liao, Indiana University Bloomington

- **Case Studies Chair**
  David Ott, VMware

- **National Interest Track Chair**
  Tomas Vagoun, NITRD

- **Panels Chair**
  Daniel Faigin, Aerospace Corporation
  Beth Scruggs, Aerospace Corporation

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  Yonghwi Kwon, University of Virginia
  Chung Hwan Kim, University of Texas at Dallas (UTD)

- **Workshops Chair**
  Harvey Rubinovitz, MITRE
  Hongxin Hu, University of Buffalo

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  Chia-Che Tsai, Texas A&M University
  Zain Shamsi, Applied Research Lab, UT Austin

- **Proceedings Coordinator**
  Giorgio Giacinto, University of Cagliari, Italy

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  Peter Mayer, Karlsruhe Institute of Technology
  Hamed Okhravi, MIT Lincoln Laboratory
  Xiapu Luo, Hong Kong Polytechnic University

- **Registration Coordinators**
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  Daniel Faigin, Aerospace Corporation

- **Sponsorship Chair**
  Kapil Singh, IBM

- **Student Conferenceship Coordinators**
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  Tyson Bailey, Sandia National Lab

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  David Balenson, USC Information Sciences Institute

- **Web Advisor**
  Robert 'Hobbes' Zakon, Zakon Group
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Program Chair
Opening Remarks
SWSIS Scholarship
Keynotes
Distinguished Practitioner Keynote

Computer Security in the Age of Large Language Models Abstract

Nicholas Carlini
Research Scientist
Google DeepMind
Enjoy the conference!