Scholarship for Women Studying Information Security (SWSIS) Awards for 2019-20 Academic Year

Mary Ellen Zurko
Jeremy Epstein
What is ACSA?

• Non-profit sponsor of ACSAC, NSPW, and other security workshops
• Run by a board of 14 unpaid members
  Marshall Abrams (Founder)
  David Balenson, SRI International
  Matt Bishop, UC Davis
  Gabriela Ciocarlie, SRI International
  Jeremy Epstein, National Science Foundation (President)
  Daniel Faigin, The Aerospace Corporation (Secretary)
  Carrie Gates, Bank of America
  Ann Marmor-Squires, The Sq Group (VP)
  Charlie Payne, Adventium Labs
  Harvey Rubinovitz, MITRE (Treasurer)
  Steve Schwab, USC ISI
  Cristina Serban, AT&T Security Research Center
  Robert Zakon, Zakon Group LLC
  Mary Ellen Zurko, MIT Lincoln Laboratory
• More info at www.appliedcomputersecurity.org
ACSA Mission

The Applied Computer Security Associates (ACSA) is a non-profit association of computer security professionals who have a common goal of improving the understanding, theory, and practice of computer security. To this end, ACSA supports a number of activities, all of which serve the goal of improving the computer security field.
The SWSIS Program

- Goal is to encourage women studying information security by providing assistance at the formative stages of their careers in this field
- Scholarships up to $10K for women in junior/senior year or masters program
- Focus on any aspect of information security
- Applicant review/selection by CRA Committee on Widening Participation in Computing Research (CRA-WP)
- Co-funding from SANS, Craig Newmark Foundation, Koch Institute, .... and YOU!
Who?

• The ACSA SWSIS Team
  – Jeremy Epstein, National Science Foundation, chair
  – Ann Marmor-Squires, The Sq Group
  – Cristina Serban, AT&T
  – Mary Ellen Zurko, MIT Lincoln Laboratory

• The CRA-WP Team
  – Rebecca Wright, Barnard College (chair)
  – Terry Benzel, University of Southern California
  – Marina Blanton, University at Buffalo
  – Tadayoshi Kohno, University of Washington
  – Daniela Oliveira, University of Florida
  – Zachary Peterson, Cal Poly, San Luis Obispo
  – Elaine Shi, Cornell University
  – Bhavani Thuraisingham, University of Texas at Dallas
Rebecca Gurley Bace Memorial Scholarship

- In memory of Becky Bace, mentor, inventor, and entrepreneur, and long-time ACSAC attendee
- This year’s recipient: Jamila Crawford
- Read about Jamila (and other SWSIS scholars), as well as how to contribute, at www.swsis.org
- Now accepting contributions through Payal
2019-20 results – 16 Scholars!

- **Alyssa Ballesteros**, University of South Florida
- **Shradha Chaulagain**, University of Dallas
- **Jamila Crawford**, St. Mary’s University of Minnesota
- **Marilu Duque**, New York University
- **Andrea Greene-Horace**, Brown University
- **Stacy Hayes**, University of Colorado at Boulder
- **Elizabeth Hymer**, New York University
- **Andrea Kim**, Western Governors University
- **Jaqueline Lagassee**, University of Massachusetts at Amherst
- **Amina Mahmood**, University of Maryland at Baltimore County
- **Amy Mintz**, University of Maryland
- **Lauren Neely**, University of San Diego
- **Jennifer Peyrot**, University of Colorado at Boulder
- **Christie Ruales**, University of Florida
- **Sara Schwarz Iglesias**, University of Puerto Rico
- **Dianelys Soto-Cruz**, University of Puerto Rico
Introducing Shradha Chaulagain

• Education: MS Cybersecurity, December 2019 @ University of Dallas
• After Masters: Keep learning! Pursue a doctorate in security/CS & obtain certifications; Grow into a management position to lead and support growth in security; and Grow my family :)
• Technical Interests: Cyber Risk Management, Security Awareness, Social Engineering, Incident Response, and Cloud Security
• Employment: Information Security Risk Analyst at Toyota
Introducing Jamila Crawford

• Employment: U.S. Pretrial Investigation Officer

• Education: M.S. in Cybersecurity at St. Mary's University of Minnesota, December 2021

• After degree: work as Computer Forensic Examiner conducting proactive investigations in Human Trafficking & Internet Crimes Against Children (ICAC)
Introducing Elizabeth Hymer

• Education: MS, Cybersecurity, New York University

• Interest Areas: Vulnerability Management, Risk and Compliance

• Internships:
  – IT Security Intern, Encompass Health Corporation, 2017
  – Cybersecurity Intern, Major League Baseball, 2019
Introducing Andrea Kim

• Education:
  – BS in Biology from University of Illinois
  – Masters in Cybersecurity and Information Assurance student at Western Governors University, degree expected 2020

• Employment:
  – IT Security Analyst at Gogo ("the inflight internet company"), my first security role

• Volunteer Activities:
  – Outreach Director at Cybersecurity Non Profit (csnp.org) and organizer of Chicago Cybersecurity Meetup
  – Pet rescue and pet foster/hospice home

• Advocate for accessibility and underrepresented groups in the workplace
Introducing Amina Mahmoud

- Student at University of Maryland, Baltimore County (UMBC), majoring in Computer Science on the Cybersecurity track
- Focusing on Reverse Engineering with an interest in Malware Analysis
- CWIT (Center for Women in Technology) Affiliate, dedicating her spare time in increasing the representation of women in the STEM fields
- Malware Analyst at Huntress Labs, and Computer Science Intern at Parsons
Introducing Jennifer Peyrot

• **Education:**
  – Pursuing MS in Technology, Cybersecurity and Policy at CU Boulder

• **Interest areas:** Cybersecurity Education and IoT Device Privacy and Security

• **After MS:** Continue my work bringing cybersecurity education to K-12 schools
Introducing Dianelys Soto-Cruz

- Education: BS Computer Science with a minor in Cybersecurity @ University of Puerto Rico at Rio Piedras
  - Head of Cybersecurity Interest Group
- Interest Areas: Pentesting, Digital Forensics and Network Security
- After bachelors: Pursue MS in Information Security
- Internships: Carnegie Mellon University IT LAB: Summer Security Intensive Fellow 2019
What can you do?

• Apply to be a SWSIS Scholar
• Spread the word about the program
• Encourage your employer to co-fund
• Mentor/recruit our SWSIS Scholars
• Contribute!
2020-21 program

• Applications accepted Dec 15 2019-Feb 1 2020
• More info on eligibility and applications at http://www.swsis.org
• Thank you to our funders!