Scholarship for Women Studying Information Security (SWSIS) Awards for 2018-19 Academic Year

Mary Ellen Zurko
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
  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 the Status of Women in Computing Research (CRA-W)
• Co-funding by Hewlett Packard Enterprise and Symantec
• ACSAC travel support from Charles Koch Institute
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-W Team**
  - Rebecca Wright, Rutgers (chair)
  - Terry Benzel, University of Southern California
  - Marina Blanton, University at Buffalo
  - Diana Burley, George Washington University
  - Melissa Chase, Microsoft
  - Tadayoshi Kohno, University of Washington
  - Daniela Oliveira, University of Florida
  - Zachary Peterson, Cal Poly, San Luis Obispo
  - 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: Dorcas Kosgei
• Read about Dorcas (and other SWSIS scholars), as well as how to contribute, at www.swsis.org
2018-19 results

- 75 complete submissions
- 13 SWSIS Scholars from (italics are at ACSAC):
  - Rawan Al- Shaer, University of North Carolina at Charlotte
  - Kingberli Capellan, Kean University of New Jersey
  - Maria C. Chukwuma, George Washington University
  - Dorcas Kosgei, Columbia Basin College
  - Andrea Ndubizu, Boston University
  - Jenna Pardi, State University of New York at Albany
  - Amanda Perkins, Norwich University
  - Yulini Persaud, Carnegie Mellon University
  - Keaira Philogene, University of Tampa
  - Ayesha Rizvi, City University of New York
  - Carolyn Solimine, University at Albany
  - Alyssa Jo Tice, Pennsylvania State University
  - Shaya Wolf, University of Wyoming
Introducing Rawan Al- Shaer

• Education: Junior at University of North Carolina at Charlotte, double major in CS - Cybersecurity and Math - Statistics

• Interest areas: Statistical machine learning for malware and APT analysis, and logic based reasoning for attack detection

• After Bachelors: After graduation in May 2020, she looks forward to pursuing cybersecurity in graduate school
Introducing Kingberli Capellan

- Education: Senior in Computer Science at Kean University in NJ
- Interest areas: Cybersecurity
- After Bachelors: Applying to grad school for a Masters in Cybersecurity
- Awards: Grace Hopper Scholar 2018, scholarships to attend the Tapia and Women in Cybersecurity conferences
- Hobbies: Loves to read fiction and historical books in her free time
Introducing Maria C. Chukwuma

- Education: Second year master’s program in Information Systems and Technology at George Washington University, DC
- Interest areas: Network and Cyber Security
- After Graduation: Move into InfoSec
- "I am a Catholic nun, of the Daughters of Divine Love Congregation"
Introducing Yulini Persaud

• Education: First-year M.S. Information Security Policy and Management student at Carnegie Mellon University - Heinz College

• Interest areas: Penetration testing and forensics

• After Graduation: “Expected graduation in 2020, hoping to work for a defense contractor!”
Introducing Keaira Philogene

- **Education:** Senior at the University of Tampa studying Cybersecurity with a minor in Management Information Systems
- **Interest areas:** a career in IT Risk Advisory and/or Consulting
- **After Bachelors:** Graduating in May of 2019, hoping to pursue an MBA with a technical concentration
- **Hobbies:** In her free time she loves to dance, laugh and just have fun with the people she loves
Introducing Carolyn Solimine

- Education: Senior at University at Albany, SUNY, focusing on digital forensics and criminal justice, minor in emergency preparedness/homeland security/cyber security
- After Bachelors: After graduation in May 2019, “looking for a job or a graduate program and start saving the world”
- Hobbies: Volunteer as an Emergency Medical Technician for on-campus student-run volunteer ambulance service “... and studying of course”
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
2019-20 program

• Applications accepted Dec 15 2018-Feb 1 2019
• More info on eligibility and applications at http://www.swsis.org
• Thank you to Craig Newmark Foundation, SANS, and CRA-W!