2023 CAE-R Research Symposium

William Enck and Heather Lipford
2023 CAE-R Research Symposium co-Chairs

Organizing Committee

- **Program co-Chairs:**
William Enck and Heather Lipford

- **Program Committee:**
Kevin Butler, Adam Doupé, and L. Jean Camp

Symposium Goals

- Identifying relevant and important research questions on topics of interest
- Building a community that involves PhD Students
- Showcase excellent research done at CAE-R schools
- Create an event that participants **want** to attend

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Special Topic Workshop

- Topic of Workshop is selected from community inputs
- Small group of faculty members and government researchers with expertise in the topic are identified
- Workshop is held a day before the Symposium
- Results of the workshop are briefed to the community

Student Panels

- **Vision:** Showcase our **best** PhD students
  - Nominations from CAE-R institutions
  - Students give short pitches of their dissertation
  - Panel moderator leads discussion of trends in research

- **Benefits:**
  - Dissertations give insights and broad perspective
  - Highlights excellent research by different schools
  - Creates recruiting opportunities

Research Highlights Posters

- Only a limited number of schools can be represented by the research dissertation panels.

- Research highlights posters provide a more scalable way to share research with the community

- Posters cover ~1 paper published in the last 1-2 years.

Funding Agency Panel

- PMs from different security research funding agencies
  - Brief presentations of the types of research they fund
  - Opportunities for faculty (and students) to ask questions
  - PMs available during breaks for 1-on-1 questions

Goal: Further incentivize faculty to attend

Agenda

Time	Event
0700-0800	Registration and Breakfast
0800-0810	Welcome
0800-0830	Role of CAE-R and The Importance of Research for the Agency and Country
0830-0845	Introduction of Program Committee Co-Chairs
0845-0945	Keynote: Security Expert and the Advice Fiasco Michelle Mazurek
0945-10:30	Research Funding Agency Panel
10:30-1045	Break
10:45-11:30	Research Discussions: PhD Student Panel 1
11:30-12:20	INSuRE+C Research Talks 1 & 2
1220-1345	Box Lunch & Research Highlights (Posters)
1345-1430	Research Discussions: PhD Student Panel 2
1430-1520	INSuRE+C Research Talks 3 & 4
1520-1530	Closing Remarks for R Symposium
1530-1545	Break
1545-1615	CAE-R Discussion and Reflection

This presentation was given at the 2023 National Cybersecurity Education Colloquium

Keynote: Security Expert and the Advice Fiasco

Michelle Mazurek,
University of Maryland College Park

Michelle Mazurek is an Associate Professor in the Computer Science Department and the Institute for Advanced Computer Studies at the University of Maryland, College Park, where she also directs the Maryland Cybersecurity Center. Her research aims to understand and improve the human elements of security- and privacy-related decision making. Recent projects include examining how and why developers make security and privacy mistakes; examining how security and privacy information is distributed via YouTube influencers; and analyzing how users learn about and decide whether to adopt security advice. She was Program Chair for the Symposium on Usable Privacy and Security (SOUPS) for 2019 and 2020 and Program Chair for the Privacy Enhancing Technologies Symposium (PETS) for 2022 and 2023. She has received a number of awards, including the NSF CAREER award, DARPA Young Faculty Award, the NSA's Best Scientific Cybersecurity Paper award, and several distinguished paper awards.