



Digital Overground

Cybersecurity and Privacy Institute Student Newsletter



Here is the May edition of Digital Underground, just in time for the beginning of the Spring semester, with a week in between to hopefully get settled in. We hope your term is off to a good start; remember, it is still technically summer, so get outside and enjoy the weather! Assuming it stops pretending it is mid-Fall temperature wise...

For starters, we would like to highlight that the 2023 [Cybersecurity and Privacy Excellence Graduate Scholarship](#) applications are now being accepted, please take a minute to check the process out.

In other news, CPI is proud to have hosted the southern Ontario teams for the 2023 CyberTitan National Finals on May 8th. This is a wonderful event that

encourages grade school age students to engage with computer science and cybersecurity issues, please check out our page on it [here](#).

Additionally of note, CPI is proud to offer **Official Student Membership to the University of Waterloo Undergraduate and Graduate Student Community!**

Up until this point, CPI students were in a bit of an undefined area, as anyone on our student mailing list was considered a de facto CPI student. However, we are now putting together a slate of benefits and future programming initiatives for our students, so we are asking folx to fill out our application form [here](#), so that we can bolster our student membership and more effectively engage with them in future.

We would also deeply appreciate your filling out the CPI Student Survey [here](#), we look forward to hearing from you!

CPI would also like to announce that the following classes in Spring 2023 semester are eligible for the [CPI Undergraduate Award](#): CS 458, ECE 458, SOC 413, and LS413.

We are calling for student contributors! If you are interested in sharing your year-end project or would like to send in an article, blog, or cartoon, [please contact us](#).

Upcoming Events

[WUSA Services BBQ](#)

Student Support and Resources

[Campus Wellness and Counselling Services](#)

[CPI for Students](#)

[Current Students Pathways](#)

[CPI Undergraduate Award](#)

[CPI Excellence Graduate Scholarship](#)

[The Vector Digital Talent Hub](#)

Research

[Covid-19 on Social Media: Analyzing Misinformation in Twitter Conversations](#)

- CPI member Sirisha Rambhatla

[F1/10: An Open-Source Autonomous Cyber-Physical Platform](#)

- CPI member Yash Vardhan Pant

[Cache Me If You Can: Accuracy-Aware Inference Engine for Differentially Private](#)

[Data Exploration](#)

- CPI member Xi He

Open Calls

The [Vector Digital Talent Hub](#) encourages students to create profiles on their website to apply for a variety of employment opportunities. | Vector Institute

IEEE Conference on Biomedical and Health Informatics ([IEEE-EBMS](#))

October 15-18, 2023 | Pittsburgh, USA

Proposals Due May 1, 2023

Annual Conference for Society for the Social Studies of Science ([4S](#))

November 8-11, 2023 | Honolulu, USA

Submissions Due May 26, 2023

USENIX Security '23 [Call for Papers](#)

In the Media

- Podcast of the Month: [Cyber Security Today: DDoS attack tactic, a U.S. pharmaceuticals company reports a data breach of 5.8 million people, attacks on TP-Link routers and more](#)
- [How to Reduce Exposure on the Manufacturing Attack Surface](#)
- [Escalating China-Taiwan Tensions Fuel Alarming Surge in Cyber Attacks](#)
- [Meta Uncovers Massive Social Media Cyber Espionage Operations Across South Asia](#)
- [Hacker Shows Navy SEAL How He Can Hack Into Wi-Fi Using Flipper Tool](#)
- [Hacker Shows Navy SEAL How Easy It Is To Obtain People's Information](#)

Student Spotlight



Hossam ElAtali, Lachlan J. Gunn, Hans Liljestrand, N. Asokan

BliMe: Your *FAST* hardware alternative to fully homomorphic encryption!*Terms and conditions apply

Our May Student Spotlight is Hossam ElAtali. Their Poster Presentation “[BliMe: Verifiably Secure Outsourced Computation with Hardware-Enforced Taint Tracking](#)”, was the winner at our 2022 CPI Annual conference. It focused on the development of a hardware-assisted outsourced computation framework that can preserve data confidentiality even in the presence of software vulnerabilities or side channels.

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