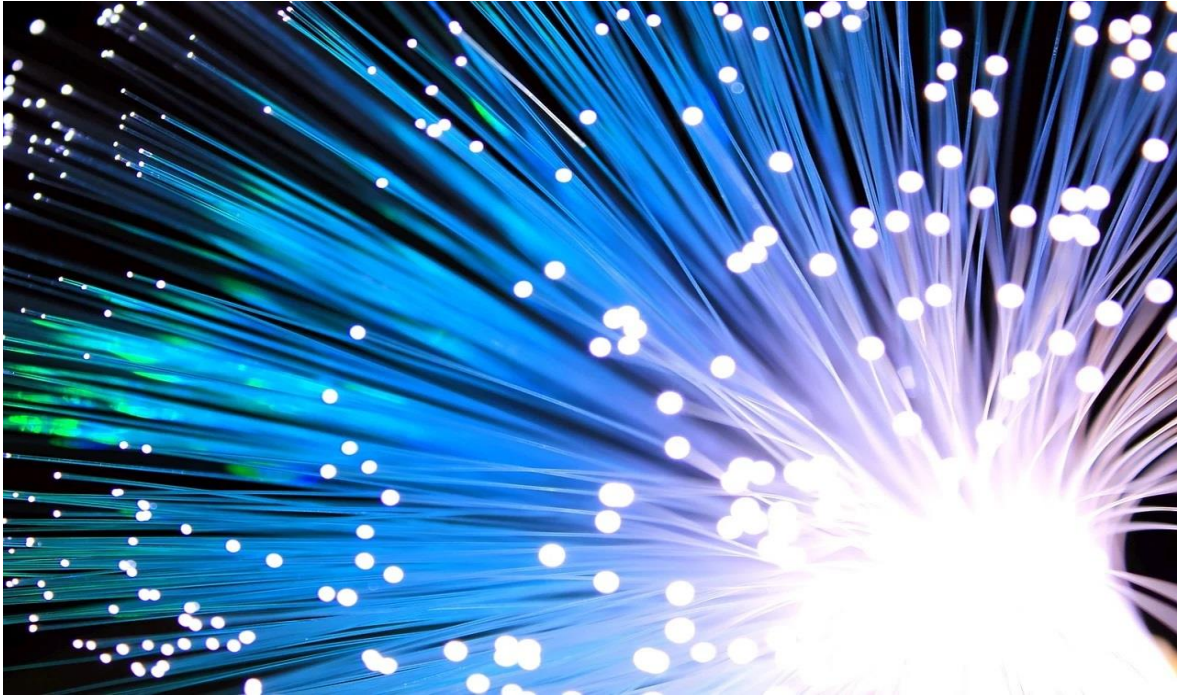# Digital Overground

Cybersecurity and Privacy Institute Student Newsletter

Welcome back to the Digital OverGround! October is Cybersecurity Awareness Month! Canada's national cybersecurity public awareness campaign [Get Cyber Safe](#) has launched [Cyber Month](#) with a focus on 'Cyber fitness.' What is cyber fitness? It's all about having the capability to identify, respond, and protect yourself from online threats. Curious about how you can 'step up' your cyber fitness? Cyber Safe has created a five-week program for strengthening your personal cybersecurity! Visit their [website](#) for tricks and tools for becoming cyber fit!

And don't forget to keep reading below for more information on events, resources, and student opportunities!

For those who are interested in contributing to this newsletter, please email us at [CPI Students <cpi.students@uwaterloo.ca>](#) we would welcome the help!

Upcoming Events

[Halloween Party at the Grad House](#)

[Virtual and In Person Grad Writing Cafés](#)

[UPICA Diwali Dhamaka 2023](#)

[Waterloo Job Fair](#)

[Wicked Witches Halloween Weekend Market](#)

[Enchanted Witches Holiday Market in Fergus](#)

[Awakening Yoga • Weekly Class • Kitchener](#)

[Halloween Dinner at CMH](#)

[Warm Cookies & Hugs at CMH](#)

[Movie Night: Elf at CMH](#)

[Movie Night: Home Alone at V1](#)

[Movie Night: The Grinch at REV](#)

[Tastes of the Bazaar at V1](#)

[Cooking Show at Fed Hall](#)

[Shawarma Night at REV](#)

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

[Workplace Surveillance in Canada: A Survey on the Adoption and Use of Employee Monitoring Applications](#)
CPI Members Danielle E. Thompson & Adam Molnar

[The Case for Distributed Shared-Memory Databases with RDMA-Enabled Memory Disaggregation](#)
Ruihong Wang - Jianguo Wang - Stratos Idreos
CPI Member M. Tamer Özsu - Walid G. Aref

[ALLOSAUR: Accumulator with Low-Latency](#)

[Oblivious Sublinear Anonymous credential](#)

[Updates with Revocations](#)

CPI Member Samuel Jaques - Michael Lodder - Hart Montgomery

[Towards Isogeny-Based Password-Authenticated Key Establishment](#)

Oleg Taraskin - Vladimir Soukharev – CPI Member David Jao - Jason T. LeGrow

[Breaking Security-Critical Voice Authentication](#)

Andre Kassis – CPI Member Urs Hengartner

[Randomness Recoverable Secret Sharing Schemes](#)

CPI Member Mohammad Hajiabadi - Shahram Khazaei - Behzad Vahdani

[Verifying Verified Code](#)

CPI Member Arie Gurfinkel

joint work with S. Priya - Y. Su - Y. Bao - X. Zhou - Y. Vizel

Open Calls

[NVIDIA Graduate Fellowship Program](#)

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

[ICITST 2023 : International Conference for Internet Technology and Secured Transactions](#)

[CyberHunt 2023 : 6th Annual Workshop on Cyber Threat Intelligence and Hunting](#)

[WatITis 2023](#)

In the Media

- Podcast of the Month: Podcast of the Month: [Cyber Security Today: This episode reports on a data-stealing gang that's added ransomware to its arsenal, a new UK law forcing social media platforms to police harmful content and more](#)
- [They Cracked the Code to a Locked USB Drive Worth $235 Million in Bitcoin. Then It Got Weird](#)
- [Security News This Week: This Cryptomining Tool Is Stealing Secrets](#)
- [Okta's Latest Security Breach Is Haunted by the Ghost of Incidents Past](#)
- [History's Worst Software Error](#)
- [Chinese-Backed APT 'Flax Typhoon' Hacks Taiwan with Minimal Malware Footprint](#)
- [Microsoft Blames Nation-State Threat Actor for Confluence Zero-Day Attacks](#)

Student Spotlight

CPI would like to congratulate Sajin Sasy on being awarded the 2023 CPI Cybersecurity and Privacy Excellence Graduate Scholarship sponsored by MasterCard.

We would also like to congratulate Andrew Dong, Samuel Orend, Taya Davison, Willard Ma, and Angie Yuliana Zuluaga for each receiving a CPI Undergraduate Award for the Spring 2023 Semester.

Dr. Adam Molnar, PhD Candidate Danielle Thompson, and Dr. Birgit Schippers submitted written evidence to the EU Joint Committee on Human Rights on the risks that EMAs pose to privacy and information security and the concerns they raise under the ECHR and other existing safeguards in the UK.

Seen anything that you think should be on this list for our next edition? Let us know!

CPI Students <cpi.students@uwaterloo.ca>

SIVUS: System Backdoor Discovery by Combining Fuzz Testing and Powertrace Monitoring

Murray Dunne, Cameron Hadfield, Kavish Mehta, Olha Vakulenko, Roberto Valenzuela, Prof. Sebastian Fischmeister
{mdunne, cmlhadfi, kr2mehta, ovakulenko, revalenz, sfischme}(at)uwaterloo.ca

Congratulations to Cameron Hadfield and Murray Dunne, they won the award for Best Poster at the CPI Annual Conference with their work entitled:

SIVUS: System Backdoor Discovery by Combining Fuzz Testing and Powertrace Monitoring.

Cameron and Murray will share $1000 in prize money generously donated by BlackBerry.

Find Out More about Digital Overground

Our mailing address is:

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