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**
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
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
CPI Students <cpi.students@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*.

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.

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

Find Out More about Digital Overground