



# STATE OF CPI 2023

**N. Asokan, Executive Director, CPI**

# STRATEGIC DIRECTIONS AND INITIATIVES 2022 - 2027

1. Strengthen Engagement with CPI Community
2. Nurture the NCC
3. Facilitate Excellence in Research
4. Facilitate Strengthening & Broadening Training
5. Build Partnerships
6. Influence Public Policy
7. Promote Cybersecurity and Privacy Awareness

# STRENGTHEN ENGAGEMENT WITH CPI COMMUNITY

## Spotlight Faculty Expertise

- Articles: CPI Spotlights, Videos: 'Behind the Firewall'.

## Newsletters

- *Students: 'Digital Overground', Faculty: Monthly ED mail, Public: 'The Privacy Perspective'.*

## New initiatives

- CPI student membership, Faculty Fellow program, Student awards.

3.87 /5

PULSE CHECK SURVEY

*'Has CPI helped/informed/spotlighted you or your research on a scale of 1 to 5'*

# NUTURE THE NCC

**12**

*CPI members*

**8**

*Proposals*

## Support CPI members submitting NCC proposals

- 7 R&D
- 1 Training (Comprehensive Multi-Disciplinary Cybersecurity Training), with WatSPEED

## Support the startup phase of NCC

- Helping NCC with preparations for the shovel-ready call, staff recruitment

# FACILITATE EXCELLENCE IN RESEARCH

## Chippie Cluster

**19** Cluster users

**66,999** Machine hours

**Jan–Jul 2023**

## Seed Grants

- 6 Interdisciplinary Grants with Waterloo.AI and RoboHub

## Support for CPI Members' grant proposals: e.g.,

- DND IDEaS “*Secure and Reliable End-to-End Network Slicing for 5G and Beyond Mobile Networks*”
- Several under review (ORF-RE, NCC, etc.)
- SSHRC “*Workshop on Interdisciplinary Approaches to Cybersecurity and Privacy*”

# FACILITATE STRENGTHENING & BROADENING TRAINING

## Through sponsors CPI offers

- New CPI Undergraduate Awards **4** *Awarded in Spring* **10** *Anticipated in Fall*
- Excellence Graduate Scholarships **6** *Awards in 2019-2023*

## Facilitating industry involvement in course design

- eSentire partnership for Digital Forensics course using Atlas XDR platform

## Professional Upskilling with WatSPEED

# BUILD PARTNERSHIPS

## CPI Partner: Mastercard - Research Theme: Trust in Data

- Hengartner (CS), Barradas (CS), Kerschbaum (CS), Hajiabadi (CS), Tripunitara (ECE)

## Business Development Manager Ganna Bondarenko

- Partner with CPI: Faculty Fellowship – Student Engagement – Thought Leadership/Researcher Consultation – Events – Coordinating Communications



# INFLUENCING PUBLIC POLICY

## 'Cybersecurity, Privacy and Artificial Intelligence in Health' led by Anindya Sen

- Sponsors: CPI, CIHI, Stats Canada, Health Canada
- Speakers: Deputy Health Minister Lucas, Chief Statistician Arora, President Goel, CPI Members



## 'The Weaponization of Disinformation in Canada' led by Bessma Momani

- Keynote Speaker: Kelly Bruce, Chief of CSE (2018-2022)



Both events leveraged CPI seed grants



# PROMOTE CYBERSECURITY AND PRIVACY AWARENESS

**28**

*CPI media features in 2023*

In *Scientific American* on watermarking AI-generated content

**691%**

*Increase in followers*

Leveraging LinkedIn for thought leadership, promoting CPI research

**1,932**

*Subscribers to CPI's newsletter*

*The Privacy Perspective* newsletter - a 221% increase in subscribers

**438**

*Average number of readers per CPI Spotlights*

New creative content strategy led by Comms. Manager **Harminster Phull**: *CPI Spotlights* series, *Behind the Firewall* video series

**22**

*Videos released in 2023*

*CPI Talks* a public outreach lecture series

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[CPI.UWATERLOO.CA](https://cpi.uwaterloo.ca)

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