

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.



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 <u>WatSPEED</u>

Support the startup phase of NCC

• Helping NCC with preparations for the <u>shovel-ready call</u>, staff recruitment





FACILITATE EXCELLENCE IN RESEARCH

Chippie Cluster

19 Cluster users 66,999 Machine hours Jan-Jul 2023

Seed Grants

• 6 Interdisciplinary Grants with <u>Waterloo.AI</u> and <u>RoboHub</u>

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 <u>CPI Undergraduate Awards</u>
- Awarded in Spring

10 Anticipated in Fall

- Excellence Graduate Scholarships
- **6** Awards in 2019-2023

Facilitating industry involvement in course design

• <u>eSentire</u> partnership for Digital Forensics course using Atlas XDR platform

Professional Upskilling with WatSPEED





BUILD PARTNERSHIPS

CPI Partner: Mastercard - Research Theme: <u>Trust in Data</u>

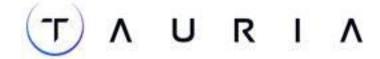
Hengartner (CS), Barradas (CS), Kerschbaum (CS),
Hajiabadi (CS), Tripunitara (ECE)

Business Development Manager Ganna Bondarenko

<u>Partner with CPI</u>: 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 <u>Scientific American</u> 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

Average number of readers per CPI Spotlights

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

Videos released in 2023

CPI Talks a public outreach lecture series





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