



Centre for Innovation in Computing at Lassonde

Quarterly Newsletter

Issue 1, June 2025

Welcome to the first edition of our newsletter, where we spotlight member achievements, share exciting research developments, and highlight industry trends and insights shaping the future of innovation.

Industry News and Trends

What's new and exciting in computing?

- Inside AI's Mind: New Insights from Anthropic
- Why People Don't Trust Contact Tracing Apps
- Nvidia's Blackwell Chips Lead LLM Training Race
- What's Next in Computing: Generative AI Meets Quantum
- MIT Reveals 2025 Breakthrough Tech at SXSW—Implications for the Legal World
- Memory Safety Reaches a Tipping Point

For more details, see page 2

Spotlight on Members

[Read more](#) on how they're harnessing the power of AI to revolutionize software debugging and improve code reliability.

[Read more](#) about Professor Alvine Boaye-Belle's new role with the IBET PhD Project and her dedication to supporting equity and inclusion in STEM.

[Read more](#) on how Gerd Grau as part of York team of researchers, and ventureLAB have signed a renewed Memorandum of Understanding to enhance collaboration.

[Read how](#) Prof. Alvine Boaye Belle mentors in the IBET PhD project, using her AI research and lived experience to support Black and Indigenous students and advance equity in STEM.

Feature Papers

[LLM-Based Safety Case Generation for Baidu Apollo: Are We There Yet?](#)

[Examining ownership models in software teams](#)

[Click here for a full list of member publications](#)

Awards and Recognitions

[Gias Uddin](#)
IBM CAS Project of the Year award
"Intelligent Issue Analytic Assistant for IBM Runtime Systems" [Read more](#)

[Hina Tabassum](#)
A York-HUST student team earned Silver at the China Youth Creative Competition for their AI-powered 6G autonomous driving project, supervised by Prof. Hina Tabassum. [Read more.](#)

[Pina D'Agostino](#)
Founder of the Intellectual Property Law & Technology Program, received the King Charles III Coronation Medal in recognition of her leadership in IP law and innovation. [Read more.](#)

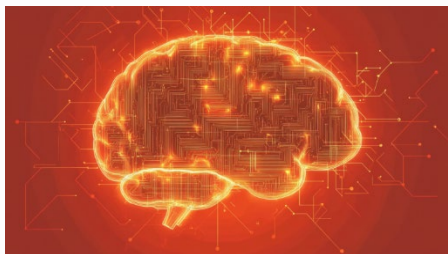
News

2025 Horizon Europe Calls Now Open for Canadian Researchers

Canadian researchers can apply for 2025 Horizon Europe funding—including new sensitive topics in AI, quantum, and space. Calls open late May with fall deadlines. Check info sessions and resources to get started! [Read more](#)

Stay tuned for news of ICAL's Upcoming Open House!

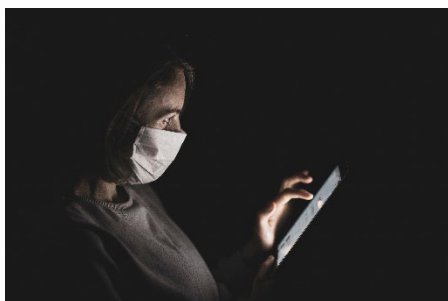
Industry News and Trends



Anthropic Unveils How LLMs "Think"

New research from Anthropic reveals how models like Claude plan, reason, and generalize across languages using neuroscience-inspired techniques. The work sheds light on both promising and problematic behaviors, offering a path toward more transparent and trustworthy AI.

Read the full article [here](#).



Why People Don't Trust Contact-Tracing Apps

Digital contact-tracing apps have struggled with low download and usage rates—not just from those without smartphones, but also among marginalized groups—largely due to privacy concerns and distrust in centralized systems. Experts now recommend shifting toward **adaptive, locally rooted governance**, including community partnerships and transparent oversight, to build trust and boost effectiveness.

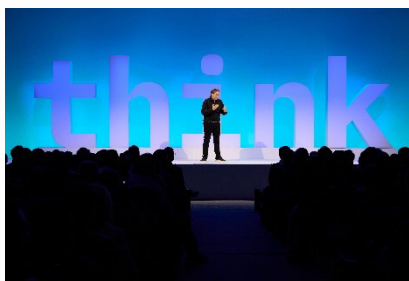
Read the full article [here](#).



Nvidia's Blackwell Chips Dominate AI Training Benchmarks

Nvidia's new Blackwell GPUs have taken the lead in the latest MLPerf AI performance benchmarks, significantly outpacing rivals—including AMD's MI325X—in training large language models. These results highlight Nvidia's continued dominance in the AI hardware space and signal key performance gains for future LLM development.

Read the full article [here](#).



What's Next in Computing: Generative AI Meets Quantum

At IBM Think 2025, researchers unveiled a new "generative computing" paradigm—treating LLMs as programmable compute elements for safer, more efficient AI apps—and outlined a bold quantum roadmap targeting practical advantages by 2026 and a full error-corrected supercomputer ("Starling") by 2029.

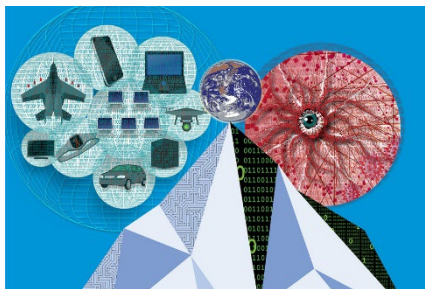
Read the full article [here](#).



MIT Reveals 2025 Breakthrough Tech at SXSW—Implications for the Legal World

At SXSW, MIT unveiled its top 10 breakthrough technologies for 2025—from small language models to green steel—spotlighting their long-term impact. Lawyers are encouraged to move beyond adoption and apply tools like secure LLMs to real legal challenges such as e-discovery and confidentiality.

Read the full article [here](#).



Memory Safety Reaches a Tipping Point

MIT researchers argue it's time to standardize memory-safety principles—such as safe programming languages, hardware protections, and compartmentalization—to combat decades of software vulnerabilities and improve overall security.

Read the full article [here](#).