

David R. Cheriton School of Computer Science

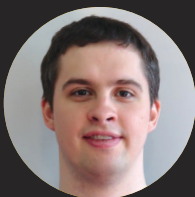


The University of Waterloo's David R. Cheriton School of Computer Science is the largest academic concentration of computer science researchers in Canada. We have more than 110 faculty members, 60 administrative, instructional and technical staff, 4,000 undergraduate students and 425 graduate students.

Our CS research areas

- Algorithms and complexity
- Artificial intelligence and machine learning
- Bioinformatics
- Computer algebra and symbolic computation
- Computer graphics
- Cryptography, security, and privacy
- Data systems
- Formal methods
- Health informatics
- Human-computer Interaction
- Programming languages
- Quantum computing
- Scientific computation
- Software engineering
- Systems and networking
- Theoretical neuroscience

Our new faculty members



Luke Schaeffer

Clifford circuits • low-depth circuits (classical and quantum) • classical simulation of quantum circuits



Elena Grigorescu

Sublinear-time and sublinear-space algorithms • error-correcting codes and lattices • computational complexity • learning theory



Marina Meila

Geometric data analysis, foundations of clustering, validation and guarantees in unsupervised learning • analysis of preferences • intersection of combinatorics, computation and statistics • ML for the sciences

Our highlights

Cheriton School of Computer Science
Top-ranked Canadian CS program
fifth year in a row
2025 Maclean's University Rankings

Ihab Ilyas
2024 Fellow, Royal Society of Canada

Mina Tahmasbi Arashloo
Canada Research Chair in Minimizing Human Error
in Modern Networks

Gautam Kamath, Jian Zhao
2025 Ontario Early Researcher Award

Doug Stinson
2024 Lifetime Achievement Award
CS-Can | Info-Can

Freda Shi, Victor Zhong
2024 Canada CIFAR AI Chairs

Jimmy Lin
2024 Fellow, Association for Computational Linguistics

Kate Larson
2025 Fellow, Association for the Advancement of
Artificial Intelligence

Craig S. Kaplan
2025 Fellow, Fields Institute for Research in
Mathematical Sciences

Sepehr Assadi
2025 Presburger Award

Diogo Barradas
2025 FOCI Rising Star Award

Sepehr Assadi with Soheil Behnezhad, Sayan
Bhattacharya, Martín Costa, Shay Solomon,
Tianyi Zhang
Best Paper Award, STOC 2025

**Kathryn Simone, Jeff Orchard, P. Michael Furlong,
Maddy Bartlett, Terry C. Stewart, Nicole Dumont,
Chris Eliasmith**
European Neural Network Society Best Paper Award,
ICANN 2024

Xiao Hu
Best Paper Award, PODS 2025

Xiao Hu with Mahmoud Abo Khamis, Dan Suciu
Distinguished Paper Award, PODS 2025

Xiao Hu with Binyang Dai, Ke Yi
2025 SIGMOD Research Highlight Award

Helia Yazdanyar, Sepehr Assadi
Best Paper Award, SOSA 2025

Peter Forsyth with Ken Vetzal, Graham Westmacott
2024 Chris Daykin Prize, International Actuarial
Association

Joel Wretborn, Alexey Stomakhin, Christopher Batty
Günter Enderle Award, Eurographics 2025

Ryan Yen, Jian Zhao, Daniel Vogel
Best Paper Award, CHI 2025

Kate Larson with Marc Lancot, Michael Kaisers,
Quentin Berthet, Ian Gemp, Manfred Diaz, Roberto-
Rafael Maura-Rivero, Yoram Bachrach, Anna Koop,
Doina Precup
Best Paper Award, AAMAS 2025

Yuzhe You, Jian Zhao
Michael A. J. Sweeney Award for Best Student Paper
Graphics Interface 2025

**Anudeep Das, Vasisht Duddu, Rui Zhang,
N. Asokan**
Best Paper Award, CODASPY 2025

Diogo Barradas with Daniela Lopes, Jin-Dong Dong,
Pedro Medeiros, Daniel Castro, Bernardo Portela, João
Vinagre, Bernardo Ferreira, Nicolas Christin, Nuno Santos
2024 Best Portuguese Internet Research Award,
Portuguese Chapter of the Internet Society

Ana Crisan with Melanie Tory, Lyn Bartram, Brittany
Fiore-Gartland
Runner-up Paper Award, IEEE Computer Graphics and
Applications

Chris Trevisan
2025 Outstanding Undergraduate Research Award
Computing Research Association

