

Joelle Pineau

Associate Professor, School of Computer Science; Co-director, Reasoning and Learning Lab at McGill University

Montreal, QC, CA

Machine Learning Researcher; Professor of Computer Science and William Dawson Scholar at McGill University; Senior Fellow at CIFAR

Biography

Joelle Pineau is a William Dawson Scholar and Associate Professor in the School of Computer Science at McGill University in Montreal. She holds a PhD and MSc from Carnegie Mellon University and a B.A.Sc. from the University of Waterloo. Her research focuses on the development and analysis of algorithms for Artificial Intelligence, in particular in machine learning and reinforcement learning, with application of these methods to problems in health-care and robotics. She is on the editorial board of the Journal of Machine Learning Research and the Journal of Artificial Intelligence Research. She was the Program Chair (2012) and General Chair (2015) of the International Conference on Machine Learning (ICML), and is the President-Elect of the International Machine Learning Society.

Industry Expertise

Computer Software, Health Care - Services, Research, Education/Learning

Areas of Expertise

Reinforcement learning and probabilistic inference, Deep Learning, Natural Language Processing, Robotics, Adaptive treatment design, Machine Learning, Planning, learning, and decision making

Affiliations

Member of the Centre for Intelligent Machines (CIM) at McGill

Education

Robotics Institute, Carnegie Mellon University

Ph.D Robotics/Machine Learning

Robotics Institute, Carnegie Mellon University

M.Sc Robotics/Machine Learning

University of Waterloo

B.A.Sc Systems Design Engineering

Accomplishments

Member of the College of New Scholars, Artists and Scientists. The Royal Society of Canada

The College of New Scholars, Artists and Scientists is Canada's first national system of multidisciplinary recognition for the emerging generation of Canadian intellectual leadership. It will comprise a fourth entity (along with the current three Academies) within the Royal Society of Canada.

Senior Fellow at CIFAR program in Learning in Machines & Brains

CIFAR fellows take on tough questions that span disciplines. The answers they require can only be reached by international, interdisciplinary teams working together over a sustained period of time. Our 14 programs tackle questions across four broad areas: improving human health, creating successful societies, using technology to make life better, and sustaining life on Earth.

William Dawson Scholar at McGill University

The William Dawson Scholar award recognizes a scholar developing into an outstanding and original researcher of world-class caliber who is poised to become a leader in his or her field, similar to that of a CRC Tier 2 chair holder.

David Thompson Award for Excellence in Graduate Teaching & Supervision

This award acknowledges outstanding contributions to promoting graduate student excellence through supervision and teaching by a faculty member who has been supervising for 10 years or more at McGill University.

Principal's Prize for Outstanding Emerging Researchers at McGill University

McGill's University-wide prize for outstanding emerging researchers, created in order to encourage and celebrate the most outstanding early-career researchers at McGill, as well as to provide them with an advantage for external awards with a prestigious internal distinction.

Tomlinson Scientist Award, Associate Professor Category

The intention of the award is: 1) to recognize and support excellence 2) to recognize and support scientific leadership particularly the collaborative leadership of a research agenda 3) to provide seed money for emerging research directions, including those of an interdisciplinary nature.

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