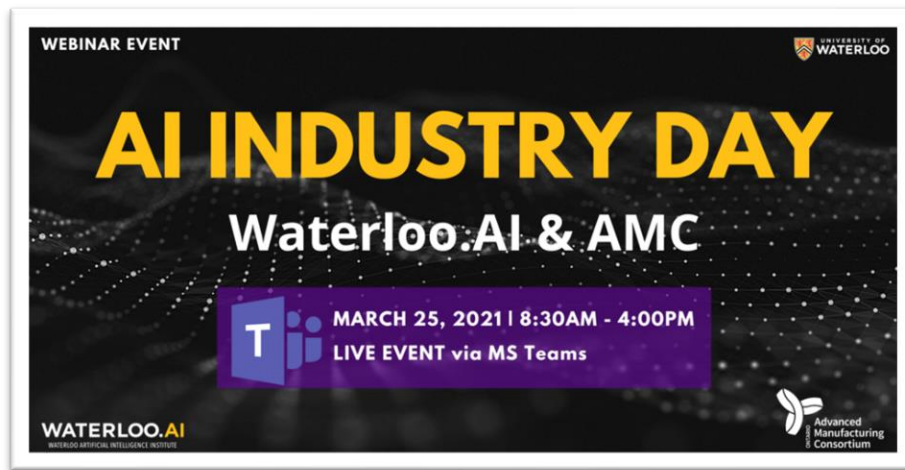


## Waterloo.AI and AMC: AI Industry Day - Webinar Event on March 25, 2021 | 8:30 am to 4:00 pm



Earlier this week, [Predictiv AI announced a new partnership with the Waterloo Artificial Intelligence Institute at the University of Waterloo](#). The collaboration will allow Predictiv AI's subsidiary, AI Labs Inc., access to the world's top artificial intelligence resources, creating much greater bandwidth in ideation, research, and development of solutions for real-world problems.

"We are very excited and honoured to be working with one of the world's leading artificial intelligence institutions. We will now be able to accelerate our innovations and scale our team's productivity while learning new ways to approach projects with new and unique technologies," said Michael Lende, CEO of Predictiv AI. "The formalization of this relationship is a crucial building block in our growth plans as it allows us to remain asset-light while simultaneously accelerating innovation on our artificial intelligence and deep machine learning-based solutions. We look forward to a long-term association with Waterloo.AI."

As part of our ongoing efforts to support Waterloo.AI and its partners, we're very pleased to share information about an event they will be hosting next week – [AI Industry Day on Tuesday, March 25<sup>th</sup>](#).

The event will be hosted via Microsoft Teams and will be an interactive and informative online event, enabling Industry to get more acquainted with various AI success stories across multi-sectors of the economy. Catering to diverse interests, attendees will have the option to choose from a menu of topics, with one stream focusing on the use of AI within Advanced Manufacturing. Applicable to all sectors, the keynote speaker will deliver the first-hand experience of "The Journey to Implement AI", and the importance of "Data" in the future of AI. Morning and afternoon presentations are planned around a mid-day networking event amongst attendees, partners, researchers, and the Waterloo AI Eco-System.

Please feel free to check out the agenda below, click the previous link to discover more information about the event and/or additional details about each presentation, and lastly, [make sure to register for the event](#) – it's completely free and promises to be fun & informative!

# AI INDUSTRY DAY

## AGENDA



**8:30 – 9:00** Introductory Overview Video

**9:00 – 9:30** Welcome, Introductions & Overview  
 Waterloo.AI – Managing Director: Harold Godwin, Co-Directors: Peter van Beek, Fakhri Karray, Vijay Ganesh  
 Mary Wells – Dean of Engineering & Mark Giesbrecht – Dean of Mathematics

**9:30 – 10:15** Keynote: David Markwell, Senior Vice-President – Loblaw Technology  
 Topic: A Passion for the Customer: Loblaw’s AI Journey

	AI – Stream 1	AI – Stream 2	AMC – Stream	AI for Social Good – Stream
<b>10:15 – 10:45</b>	<b>Using AI for Software Integrity</b>  Katie Ferriter – Head of Technology Research & Innovation at Bank of Montreal Financial Group	<b>Strategy in the Age of AI Disruption: How Predicting the Future Can Help Your Business</b>  Joel Blit – Associate Professor; Department of Economics, Faculty of Arts	<b>Integrated Additive Manufacturing and AI Platforms for Smart Manufacturing</b>  Ehsan Toyserkani – Professor; Department of Mechanical and Mechatronics Engineering, Faculty of Engineering	<b>Optimizing Pre-trained Clinical Embeddings for Automatic COVID-related ICD Coding</b>  Helen Chen – Professor of Practice; School of Public Health and Health Systems, Faculty of Health. Cross Appointed with the Cheriton School of Computer Sciences and the Department of Statistics and Actuarial Science
<b>10:45 – 11:15</b>	<b>Industry Considerations for Responsible AI</b>  Ahmed Adel – Director, Data & AI Customer Engineering, Microsoft Canada	<b>Automating Legal Search with Semantic Search</b>  Bart Piwowar – VP, Products & Solutions, Primal	<b>Robots at Work: Cobots for Tomorrow’s Industry</b>  William Melek – Professor; Department of Mechanical and Mechatronics, Faculty of Engineering	<b>Perspectives on Machine Learning in Medical Imaging</b>  Vincent Gaudet – Professor; Department of Electrical and Computer Engineering, Faculty of Engineering
<b>11:15 – 11:45</b>	<b>AI-enabled Knowledge Prediction Engine</b>  Shady Shehata – Co-Founder & CTO, Yourika	<b>Confidence in AI Systems – Can we trust AI-based systems?</b>  N. Asokan – Professor; Cheriton School of Computer Sciences, Faculty of Mathematics	<b>High Performance Manufacturing</b>  S. Veldhuis – Director of McMaster Manufacturing Research Institute, and Braley-Orlick Chair in Advanced Manufacturing Engineering	<b>AI, Global Governance, and International Public Policy</b>  Scott Hamilton – Research Coordinator, Balsillie School of International Affairs

**11:45 – 1:00** Waterloo Region AI Eco-System Networking & Virtual Trade Show (Industry & Academia)

**1:00 – 1:45** Keynote: Professor Anindya Sen, Faculty of Arts  
 Topic: Data, The New Commodity

	AI – Stream 1	AI – Stream 2	AMC – Stream	AI for Social Good – Stream
<b>1:45 – 2:15</b>	<b>Safety Assurance of AI-enabled Robotic Systems</b>  Krzysztof Czarnicki – Professor; Electrical and Computer Engineering, Faculty of Engineering. Cross Appointed with the Cheriton School of Computer Sciences	<b>Using AI to Find Legal Evidence and COVID-19 Treatments</b>  Maura Grossman – Research Professor; Cheriton School of Computer Sciences, Faculty of Mathematics	<b>Boosting Manufacturing through Virtualization and Intelligence</b>  Kaan Erkorkmaz – Professor; Department of Mechanical and Mechatronics, Faculty of Engineering	<b>A Human-Machine Collaborative Design Strategy to Efficient Deep Learning for Real-Time Video Expression Analysis</b>  Alex Wong – Associate Professor; Systems Design Engineering, Faculty of Engineering
<b>2:15 – 2:45</b>	<b>Robust Embeddings for Natural Language Processing</b>  Pascal Poupart – Professor; Cheriton School of Computer Sciences, Faculty of Mathematics	<b>Advancing Transportation Engineering Using AI and Big Data</b>  Liping Fu – Professor; Department of Civil and Environmental Engineering, Faculty of Engineering	<b>AI Methods are Solving Complex Beam-forming Antenna and Radio Systems</b>  Milad Khaki – Electrical and Software Optimization Engineer (CIARS); Electrical and Computer Engineering, Faculty of Engineering	<b>Wildfire Management: Disaster Response, Climate Change</b>  Mark Crowley – Assistant Professor; Electrical and Computer Engineering, Faculty of Engineering
<b>2:45 – 3:15</b>	<b>AI for Ocular Health</b>  Stan Woo – Director; School of Optometry and Vision Science, Faculty of Science	<b>AI for In-vehicle Driver and Occupant Monitoring</b>  George Shaker – Adjunct Associate Professor; Department of Electrical and Computer Engineering and the Department of Mechanical and Mechatronics Engineering, Faculty of Engineering	<b>Smart Automated High-Performance Composite Manufacturing</b>  P. White – Executive Director, Government Relations and Strategic Partnerships, Western University	<b>Towards Adaptive Social Robots: Integrating Physiological Adaptation in Human-Robot Interactions</b>  Kerstin Dautenhahn – Professor; Electrical and Computer Engineering, Faculty of Engineering

**3:15 – 3:45** AI: Collaborative Funding for AI – Ashley Hannon, Mitacs

**3:45 – 4:00** Closing Remarks