

About Sightline Innovation

Presentation and Link for Conference will go live September 26th, 2018.

Sightline Innovation builds enterprise infrastructure for AI. As Canada's longest standing AI company, it draws upon its comprehensive technology platform and experienced AI talent, with offices in Toronto, Winnipeg, and San Francisco, to design and deploy solutions for its customers. Sightline started its machine learning platform development in 2011, adding deep learning to its suite of tools in 2013. In 2017, it added cross enterprise AI domain and AI edge technologies. These features support seamless connectivity of AI solutions across enterprises, "distributed AI" (data stays in place, no warehousing), and edge connectivity and processing. In 2018, data trust and compliance features were added to the platform to address the pressing issue for customer of data value loss, data hoarding by vendors and the AI-lock-in loop.

Our data trust and compliance technologies includes:

- **Data Rights Management** - ability to own and control your data in perpetuity;
- **Precision Access Control** - high assurance authentication and authorization;
- **Data /derivative Tracking, Traceability** - ability to track use of data/productization;
- **Data Trading** - match data with others needs in a transparent and open manner;
- **Policy/GDPR Compliance** - policy compliance automation.

Sightline's AI platform is an open AI ecosystem, empowering different industrial, government and academic enterprises to connect, share, collaborate and facilitate AI driven operations across secure and data trusted domains. Sightline platform is agnostic to AI vendors, sensors, and data stream formats; on boarding best in class AI algorithms.

Our AI domain architecture for enterprise connectivity includes:

- **Mission Critical Infrastructure** - Privacy and Security Automation;
- **"Distributed AI"** - AI as Shared Resource, Root Node Connectivity;
- **AI Connectivity** - Across Business Units, Infrastructure;
- **AI Scalability** - Enterprise Connectivity Across Partners, Workforces, ... Public;

Our AI application (app) technologies - data science, AI application and vision engine - includes:

- **Infrastructure** - Run on Existing Cloud, On-Prem, or Hybrid Infrastructure;
- **Engineering** - Data Curation, Data Security Across Sources, Distributed AI;
- **Predictive Capabilities** - Data Science, AI Analytics Container (Chains of AI Models);
- **Interactive Dashboards** - Access to Learning Models, All Parts of Platform;
- **Visualization** - Actionable Insights, Graphs Modelling;
- **Human-in-the Loop** - Subject Matter Expertise Connectivity;
- **AI Validation** - AI analytics and model validation (third party, new math models);

Our AI edge technologies for connectivity to physical devices, sensors, mobile etc. includes:

- **Integration** - Real Time, Near Real Time Integration
- **Data** - Connect to Any Data Source and Type, Automate Data Flow
- **Sensor** - Connect to Satellite Ground
- **Process** - Process Data at Edge, Cloud, On-Prem

Sightline consists of entrepreneurs, data scientists, researchers, and programmers who have been building and deploying enterprise application frameworks in the language of AI (called Python) for over 15 years. In 2003, Sightline's founders built the first commercial Python product for enterprise quality assurance in the mobile sector. This company was acquired by Research In Motion/Blackberry in 2006. Sightline has strong board, and investment group, comprising Canada's leading technology entrepreneurs.

Speaker Bios

Wallace Trenholm, CEO AND Co-Founder

B.Sc. Computer Science. Commercial Pilots Licence. FAA (Student) Pilot Helicopter.

Wally is a technology visionary and serial entrepreneur who sold his previous company to Research In Motion. With Sightline Innovation Wally has connected complex science and business with the goal of creating a leading global technology company around AI and Deep Learning. As the Founder and CEO of Sightline Innovation, Wally has built a company focused on practical deep learning solutions. Sightline's proprietary AI engine reveals hidden patterns, transforming data into knowledge, with applications for agriculture, biosecurity, health care, manufacturing and military. Wally has assembled one of the largest concentrations of machine learning scientists in Canada's private sector with the mandate of advancing the technology and delivering solutions to solve global needs.

Maithili Mavinkurve, COO and Co-Founder

P.Eng, University of Toronto

Mai is the COO and Co-Founder of Sightline Innovation, and first female founder of an Artificial Intelligence company in Canada. As a member of Minister Bains / ISED Economic Strategy Tables (Digital Technology Table) she lead the sub group that developed data trust and IP recommendations. Mai is an experienced engineer and executive leader with a strong technical background in Artificial Intelligence/Machine Learning and Enterprise software development management, who together with the CEO sold her last company to RIM/Blackberry. Mai has a strong track record in product design, management and delivery, including: MLaaS (Machine Learning as a Service / AI Enterprise Server suite of products, qcVerify - AI based technology for quality control in infrastructure, and SightScope - AI and photonics based IOT sensor for advanced non-destructive testing. Mai is also skilled at working with different types of data, cloud, mobile and big data technologies.