

February 23 - 24, 2021 • Virtual Conference

Optimize Digital Transformation Strategies for Improved Outcomes!

# Artificial Intelligence for the Public Sector

*Be Ready for a Future in which AI will be the Basis of Decision Making in the Public Sector!*



## YOUR FACULTY CONFIRMED PARTICIPANTS INCLUDE:



**Somaieh Nikpoor**  
Government of Canada



**Carter Cousineau**  
The University of Guelph



**Steve Bennett**  
SAS



**Kalyan Chakravarthy**  
The Regional Municipality of Durham



**Ronald Stroup**  
Federal Aviation Administration

... and more

### Benefits of attending:

- Gain a valuable new perspective into how data science can improve efficiency
- Exploring privacy while meeting your data objectives
- Best practices and lessons learned from leading government departments and agencies
- Gain specialized technical and business insights from custom tracks with actionable information
- Benchmark your current strategies and initiatives with other leading companies
- Learn what artificial intelligence and machine learning means for big data
- Implement business information analysis with the use of big data and machine learning
- Hear the latest developments in Leveraging AI to improve human performance and interaction
- Learn how data science can facilitate the public sector to best use the skills and people it has at its disposal
- Speak to industry leaders who are driving technological innovation in the industry

**Plus!** Hear the latest updates from the top data & analytics executives all across North America

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# Artificial Intelligence for the Public Sector

February 23 - 24, 2021 • Virtual Conference

## DAY ONE PROGRAM AGENDA: TUESDAY, FEBRUARY 23, 2021

10:30 - 10:45 EST



### Welcome and Opening Remarks from the Chair

**John Lark, Managing Principal, Coherent Advice Inc.**

10:45 - 11:30 EST



### U.S. Case Study

### Discussing the Path to Operations - Leveraging AI in Critical Infrastructure Sectors

**Ronald Stroup, General Engineer Expert, NAS Enterprise Planning and Analysis, Federal Aviation Administration**

- Improving mission effectiveness is the end goal
- Understanding your sector scope and interdependencies
- Maintain vigilance of emerging concepts and technologies impacting your sector
- Trust - how to show it and earn it?
- Have a solid organizational foundation to build on

11:30 - 12:15 EST



### From Artificial to Real: AI Stories from the Public Sector and the Fight Against COVID-19

**Steve Bennett, Director, Global Government Practice, SAS**

Even before the pandemic, governments around the world face more challenges than ever: Providing citizens with better benefits and services at lower cost, while combating fraud and improper payments; improving public safety and national security in the face of new threats; delivering better health care while controlling skyrocketing health care costs; and the list goes on.

At the same time, government entities produce, collect and store an unprecedented amount of increasingly diverse data that could be used to help solve these problems. However, traditional approaches to gleaning insights from data are no longer sufficient given the volume, velocity and variety that modern governments must manage. It is becoming increasingly critical for governments to find new ways to transform data into actionable information - new ways that include techniques like artificial intelligence (AI) and machine learning.

In this session, we will briefly review government domain areas with the largest potential for benefit from AI, and then spend most of our time talking about stories from around the world in which these techniques have made a difference in the public sector. We'll also highlight the many ways AI has helped the public sector on the front lines of the fight against COVID-19.

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## DAY ONE PROGRAM AGENDA: TUESDAY, FEBRUARY 23, 2021

12:15 - 13:00 EST



### **Enterprise Business Intelligence and Data Analytics Platform for Enabling AI and Big Data**

**Mohammad Ghodratigohar, Data Scientist & AI Cloud Solution, Transport Canada**

- Problems, opportunities and strategies for data and analytics capabilities
- Data and analytics program transformation
- Building a modern Enterprise Data and Analytics Ecosystem for Enabling AI and big data
- Use Case Analytics & prioritization
- POCs and Use cases of AI

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13:00 - 13:45 EST      Break

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13:45 - 14:30 EST



### **Advanced Analytics and AI in the Government: Lessons from the Trenches**

**Yvan Gauthier, Director of Data Science, Department of National Defence**

- What is really new about analytics and AI
- Aspects to consider when establishing a new data science team
- How to select the right use cases and demonstrate value early on
- Challenges (technical, analytical, political, ethical and data-related) involved in conducting advanced analytics and AI in a government or military setting
- Lessons learned

14:30 - 15:30 EST



### **Leading in AI through Human to Machine Interactions**

**Carter Cousineau, Managing Director, Centre for Advancing Responsible and Ethical Artificial Intelligence, The University of Guelph**

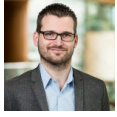
- Human to machine interactions
- What does future leadership look like?
- AI that is trusted and interpretable
- Preparing yourself and your team for human to machine interactions
- AI systems built to scale

# Artificial Intelligence for the Public Sector

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## DAY ONE PROGRAM AGENDA: TUESDAY, FEBRUARY 23, 2021

15:30 - 16:30 EST



### **The Global Cooperation Imperative in AI Standards Setting**

**Keith Jansa, Executive Director, CIO Strategy Council**

- Fostering global cooperation in AI: What does it take?
- Examine the intersection between the public and private sector
- Shaping marketplace rules and policy-oriented standards that govern our data and AI applications

16:30 EST



### **Closing Remarks from the Chair**

**John Lark, Managing Principal, Coherent Advice Inc.**

## **SPONSORSHIP AND EXHIBITION OPPORTUNITIES**

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# Artificial Intelligence for the Public Sector

February 23 - 24, 2021 • Virtual Conference

## DAY TWO PROGRAM AGENDA: WEDNESDAY, FEBRUARY 24, 2021

10:30 - 10:45 EST



### Welcome and Opening Remarks from the Chair

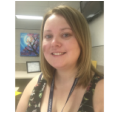
**John Lark, Managing Principal, Coherent Advice Inc.**

10:45 - 11:45 EST



### Augmented Citizen Experience

**Kalyan Chakravarthy, Chief Information Officer, The Regional Municipality of Durham**



**Gemma Sim, Program Manager, myDurham311, Corporate Services, Information Technology, Regional Municipality of Durham**

11:45 - 12:45 EST



### A Central Banking Perspective on Applications of Artificial Intelligence

**Maryam Haghighi, Director of Data Science, Bank of Canada**

- We are Canada's central bank. How we apply the latest advances in artificial intelligence at the Bank of Canada to enhance the decision-making process impacting millions of people.
- Overview of the structure of data science at the Bank, strategic direction and in-demand skills.
- What are some of our latest innovative projects that benefit from AI/ML

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12:45 - 13:30 EST      Break

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13:30 - 14:30 EST



### Artificial Intelligence Use at Statistics Canada

**Sevgui Erman, Chief Data Scientist & Director, Data Science Division, Statistics Canada**

- Statistics Canada uses Machine Learning (ML)/ Artificial Intelligence (AI) methods for integration of alternative data sources in official statistics.
- ML/AI methods and tools allow the agency to deliver faster and timelier products to Canadians, reducing response burden on households and businesses, producing more granular and accurate statistics, enhancing privacy and confidentiality, and much more.
- Within the last two years, Statistics Canada has developed experience in the AI/ML space, and built advanced modelling expertise in image processing, natural language processing, integration of cloud tools, privacy preserving techniques, traceability methods, web information retrieval, news analytics, data anomalies and error detection, predictive analytics, and automation.
- Hear about some of the agency's innovative projects that are fueled by AI.

## DAY TWO PROGRAM AGENDA: WEDNESDAY, FEBRUARY 24, 2021

14:30 - 15:30 EST



### **Bias and Fairness in AI**

**Somaieh Nikpoor, Research Advisor, Labour Program, Government of Canada**

- What is an algorithmic bias and how it is introduced in the machine learning pipeline.
- There are multiple sources for bias, it is essential to understand them when designing AI systems.
- What it means for an algorithm to be fair and how to measure fairness

15:30 - 16:30 EST



### **Augmenting Human's Judgment with AI and Combating Fraud**

**Robin Grosset, Chief Technology Officer, Mindbridge AI**

- During times of crisis such as with COVID-19, we have witnessed how critical programs to support citizens and their businesses have become to help them navigate periods of economic uncertainty
- During this presentation, we will discuss how artificial intelligence can undertake quick investigations to identify insights and help increase situational awareness, identify risk/fraud, and help assess the impact such crises have on government, its citizens, and the economy.

16:30 EST



### **Closing Remarks from the Chair**

**John Lark, Managing Principal, Coherent Advice Inc.**

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Email address \_\_\_\_\_

Name of Approving Manager \_\_\_\_\_ Title \_\_\_\_\_

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### 2 SELECT YOUR PREFERRED PAYMENT METHOD

Prices subject to GST / HST	Full Price	Speaker's Discount
Course fee per delegate	\$ 2,399	<b>\$ 1,699</b>

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#### VIRTUAL CONFERENCE:

*Artificial Intelligence for the Public Sector* will be held as a virtual on-line conference. Details on how to access and participate in the event will be sent to all confirmed delegates prior to run date.

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#### CANCELLATION POLICY:

Substitutions may be made at any time. If you are unable to attend, please make cancellations in writing and email to register@infonex.com or fax to 1.800.558.6520 **no later than February 9, 2021**. A credit voucher will be issued to you for the full amount, redeemable against any other INFONEX course and which is valid for twelve months (one year) from the date of issue.

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