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# aiworld | GOVERNMENT

Accelerating Innovation in the Public Sector

**June 24–26, 2019 | Washington, DC**  
RONALD REAGAN BUILDING & INTERNATIONAL TRADE CENTER

## COVERAGE WILL INCLUDE:

- AI Governance, Big Data and Ethics
- State of the Technology – Machine Learning and Deep Learning
- State of the Practice of Intelligent Assistants
- AI and Cybersecurity
- Overcoming the AI and Big Data Challenge
- Using AI for Strategic Business Functions
- Accelerating Smart Cities with AI
- Building AI Powered Big Data Services
- Emerging AI Technologies
- Using Intelligent Automation for Compliance, Security and Trust

## PRELIMINARY AGENDA

## FEATURED SPEAKERS



**DAVID BOTTOM**  
CIO, DHS Intelligence and Analysis Office



**TOLGA KURTOGLU, PhD**  
CEO, PARC



**JASON MATHENY**  
Founding Director of the Center for Security and Emerging Technology



**DAVID BRAY, PhD**  
Executive Director at the Institute for Human-Machine Cognition; Senior Fellow, People-Centered Internet Coalition



**SCOTT LUNDSTROM**  
Group Vice President and General Manager, IDC Government and Health Insights, IDC



**MONA SIDDIQUI, MD**  
Chief Data Officer, U.S. Department of Health & Human Services



**SUZETTE KENT**  
Federal Chief Information Officer, U.S. Office of Management and Budget



**WILLIAM MARK, PhD**  
President, Information and Computing Sciences, SRI

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**AIWorldGov.com**

Day 1 | Monday, June 24

Day 2 | Tuesday, June 25

Day 3 | Wednesday, June 26

Summit: AI Governance, Big Data & Ethics		Seminar 1: Machine Learning & Deep Learning		Plenary Sessions			Plenary Sessions		
Seminar 2: AI & Cybersecurity		Seminar 3: Intelligent Assistants		Track 1: Big Data to AI	Track 2: Strategic Government Functions	Track 3: Smart Cities	Track 4: Powering AI Data Services	Track 5: Emerging AI Technologies	Track 6: Compliance, Security & Trust
Welcome Reception				Meetup Groups					
Attendee Breakouts		Meetup Groups							

Please visit [AIWorldGov.com](http://AIWorldGov.com) for program details.



SUMMIT

AI Governance, Big Data & Ethics

MONDAY, JUNE 24 | 9:00 AM – 12:30 PM

Featuring an introduction by Michael J. Dukakis, this special program brings together business and research thought leaders to address the concerns that the global community has with respect to ensuring that AI is being used responsibly.

Co-Chairs:



**DAVID BRAY, PhD**  
Executive Director at the Institute for Human-Machine Cognition; Senior Fellow, People-Centered Internet Coalition



**ANTHONY SCRIFFIGNANO, PhD**  
Senior Vice President & Chief Data Scientist, Dun & Bradstreet

Coverage will include:

- The State of Governance, Big Data, and Ethics
- U.S. National Security Commission on AI
- Model of AI Government
- Using Big Data to Inform World Economics
- Establishing Ethics Standards for AI
- Current State of Ethics Standards Development
- What AI Vendors Need to Do to Support AI Ethical Frameworks

HOTEL & TRAVEL INFORMATION

**CONFERENCE VENUE:**  
Ronald Reagan Building and International Trade Center  
1300 Pennsylvania Ave NW  
Washington, DC 20004

**HOST HOTEL:**  
Washington Marriott at Metro Center  
775 12th Street NW  
Washington, DC 20005

**Discounted Room Rate:** \$299 s/d  
**Discounted Room Rate Cut-off Date:** Monday, May 27, 2019

Reservations: Go to the travel page of [AIWorldGov.com](http://AIWorldGov.com)

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SEMINAR 1

Led by

Machine Learning & Deep Learning

MONDAY, JUNE 24 | 9:00 AM – 12:30 PM

*Chairs: Ron Schmelzer, Managing Partner, Principal Analyst, Cognilytica  
Kathleen Walch, Managing Partner, Managing Director, Cognilytica*

This half day seminar provides a comprehensive introduction to attendees on the entire machine learning (ML) industry, including the different players, options, and technologies. Learn about your AI options, who are the players, and what are the key technologies. The seminar will also focus on deep learning (DL) and reinforcement learning (RL) to enable attendees to gain in-depth concepts of DL, which revolutionizes data science tasks using image recognition, speech analysis, time series prediction, etc.

SEMINAR 2

Led by

AI & Cybersecurity

MONDAY, JUNE 24 | 1:30 – 5:00 PM

*Chair: Bob Gourley, Co-Founder and CTO, OODA LLC*  
Cybersecurity is a major area of interest in today's internet, and while the threats are no longer as widely discussed as they used to be, they are arguably more dangerous than ever. How can machine learning help with malware research? The state of the practice and state of technology of AI in cybersecurity will be addressed.

SEMINAR 3

Led by

Conversational Interfaces – State of the Practice of Intelligent Assistants

MONDAY, JUNE 24 | 1:30 – 5:00 PM

*Chair: William Meisel, PhD, President, TMA Associates*

Speech recognition and natural language processing technology allows interacting with digital systems using human language in text or speech. An organization can use the technology to improve customer service, not only in the call center, but through chatbots on web sites, apps on mobile phones, messaging services, home speakers, through the major personal assistants, and more. The technology can also make personnel more effective within organizations in tasks such as using software systems or on-the-job training.

Be Part of the Conversation!  
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TRACK 1

The AI & Big Data Challenge

Agencies have been accumulating data for many years. However, organizations also realize they have not gained many benefits from the datasets. Along with an increase in unstructured data, there has also been a rise in the number of data formats. Administrative data, such as notes and articles, as the primary data type have expanded to include images, audio, video, and sensors.

This track addresses the major challenges faced by Big Data environments with an emphasis on identifying what data you have, how to source additional data, how to organize it, how to clean it, how to prepare the data for use in a machine learning application, and ultimately, how to integrate and scale the application into the Agency's IT systems.

TRACK 2

Using AI for Strategic Government Functions

In evaluating the potential applications for intelligent automation, fundamental questions revolve around "How do I get started in Artificial Intelligence and what are the best applications where AI can and should be deployed?" In many cases, the answers have less to do with technology choices and more to do with evolving the organization's culture and mindset. As processes transition from Business Intelligence and Performance Management to AI- and data-driven strategic roles and functions, agencies and departments will face common opportunities to refine the future of work.

This track looks at alternatives to building Data Science teams and strategies for enabling a data-driven workforce.

TRACK 3

Accelerating Smart Cities with AI-Powered Services

To achieve the title of Smart City, municipalities must enhance existing services, while at the same time innovate and deploy new applications and capabilities. For existing services, organizations are utilizing predictive models to gain operational efficiency, such as using data to enhance asset location. Big data is also aiding in the delivery of a better user experience (UX). Artificial intelligence can also be applied in a host of other specific areas, such as the preparation for autonomous vehicles and smart mobility systems, as well as planning and regulating of new service delivery.

This track examines the design and governance of the Smart City utilizing data and intelligent automation. Focus is given to three specific aspects of the Smart City: digital government and citizen services, transportation, and public safety.

TRACK 4

Services & Benefits of AI-Powered Big Data

Once the initial Big Data challenges have been overcome, what does an organization do with the data? How can it use AI to accelerate digital transformation strategies? Having more data doesn't necessarily lead to actionable insights. A key challenge for data science teams is to identify a clear objective and determine the most impactful questions. Once key patterns have been identified, agencies must also be prepared to act and make necessary changes in order to demonstrate value from them.

This track explores the delivery of services and applications powered by learning systems.

TRACK 5

Emerging AI Technologies for the Public Sector

Despite the recent interest in using algorithmic models for data analysis and insight, the underlying methodologies and protocols have been proven for decades. Researchers are experimenting with new ideas that leverage these time-tested frameworks.

This track provides attendees with a roadmap for the evolution of AI technologies in the next few years. How will trust and explainability be resolved by the industry to become integral components of future machine learning solutions? Which emerging AI solutions and technologies will be evolving out of research labs in the near term, enabling new classes of productive applications? What will the next generation of AI-optimized hardware look like? What can we expect from the next generation of biometric technologies?

TRACK 6

Using Intelligent Automation for Compliance, Security & Trust

Organizations can effectively leverage automation in governance, risk management, compliance and security as they move to a digital platform for the future. Change in stewardship of data is afoot including how data ownership, retention, and public records are managed. Algorithmic modeling solutions deliver efficient analysis, though the "black box" question of how insights are arrived at remains an open issue where transparency and auditability are needed.

This track highlights the opportunity to use AI and automation to meet existing compliance reporting, as well as prepare for new legislation on data privacy and protection.

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