



**New York/New Jersey Intergovernmental Audit Forum (NYNJIAF)**  
**November 1, 2018**  
**Baruch College**  
**151 East 25<sup>th</sup> Street | New York, NY**

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**Timothy M. Persons, Ph.D.**  
**Chief Scientist**  
**U.S. Government Accountability Office**

**LEARNING OBJECTIVES:**

The pace and complexity of technology trends pose both challenges and transformational opportunities for the intergovernmental accountability community. The threat from increasingly sophisticated cyber attacks is significant and continues to evolve with very damaging consequences. Blockchain technology provides the basis for the exponential increase in the value of cryptocurrencies such as bitcoin, and various sectors are evaluating the use of such technology for their operations. The audit environment must balance efficiencies gained through automating audits with risks posed by this new technology in crafting new audit approaches. Data analytics has transformed auditing and trends in artificial intelligence will further accelerate the ability to recognize and act on complex patterns. In future developments, machine learning is expected to enable auditors in assessing large volumes of data so as to generate new insights and flag anomalies which require more detailed audit attention. By further outlining each of these key technology trends, this session will enable government auditors to stay abreast of important new developments and consider new audit strategies posed by technology for today's current and future audit environment.



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**Drew Rosen**  
**Audit Senior Manager**  
**Audit Quality and Professional Practice Group**  
**KPMG LLP**

**LEARNING OBJECTIVES:**

- Understand how the environment is changing and client's expectations with respect to these changes
- Understand current and future audit capabilities while leveraging data & technology
- Understand the benefits of these new technologies
- Understand what investments are needed to meet the challenge of innovation
- Understand what auditors should do today to prepare for these changes



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**Andre DaSilva**  
**Information Systems & Security Audit Director**  
**Audit Bureau**  
**Office of New York City Comptroller Scott M. Stringer**

**LEARNING OBJECTIVES:**

- About: Office of the Comptroller Scott M. Stringer
- Information Technology (IT) Top Concerns, Priorities & Risks
- City of New York Comptroller's Cybersecurity Initiative
- IT Audit Critical Challenges
- Human Capital Management
- Audit Report Implementation Strategy



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**Nick H. Marinos**  
**Director**  
**Cybersecurity & Data Protection Issues**  
**Information Technology**  
**U.S. Government Accountability Office**

**LEARNING OBJECTIVES:**

*[To be determined.]*



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**Brian Browne, CPA, FCA, CFE, Executive Director, Forensic & Integrity Services**

**Tamara Dethlefsen, CPA, CFE, Senior Manager, Forensic & Integrity Services**

**Dianne Sinclair, PMP, Senior Manager, Construction & Real Estate Advisory Services**

**Ken Feinstein, CFE, Senior Manager, Forensic Technology & Discovery Services**

**Ernst and Young, LLP**

**LEARNING OBJECTIVES:**

Understanding the application of data analytics and overcoming its challenges, including data integrity and reliability.

Over the course of our presentation we will discuss:

- “Datafication” of the business and personal environment
- Collecting data across a spectrum of data sources
- The Ernst and Young (EY) Virtual analytics infrastructure
- Case studies from the field around data integrity and reliability, and applications in capital construction projects
- Data protection and privacy