Welcome to the Machine!
The Next Wave in Analytics and Process Auditing

Friday, October 19, 2018 – Melville Marriott
8:30 a.m. – 5:00 p.m. (with lunch)

(8 CPE/CPD Credits)

Data breaches. Machine-based decisions. The rise of the robots. In an increasingly digital world, data and analytics underpin the most critical business decisions. Us as auditors need to understand the digital revolution and how it affects our operations. We need to be ready for the coming wave of analytics and automation. Today’s event will help auditors to better understand what their peers are doing and will be focused on best practices and real case studies.

8:30 –10:00 AM – Audit NextGen: Data Driven Auditing

Data driven auditing is a key component of the Audit NextGen initiative, designed to make internal audit agile and as effective as possible through the use of data analytics and automated auditing tools. American Express has implemented the Audit NextGen initiative that combines Data Driven Auditing with Audit System & Report Automation.

Reshmi Muthraja, is the Director of Data Analytics, Internal Audit Group at American Express. In 2013 she helped create the data analytics team with the goal of maximizing the efficiency and effectiveness of internal audit through smart sampling and exception-based testing for all high risk audits. The team’s overall objective is to increase risk coverage by providing financial and operational insights which result in the optimization of audit completeness and integrity. Reshmi holds a B.S. in Computer Science from St. John’s University and an MBA in Financial Management from Pace University.

10:00 – 10:15 AM Break

10:15 – 11:45 AM – Audit-mation

Transitioning traditional audit work to pure automation in the new world can be daunting. This session will show how artificial intelligence and machine learning are enabling one of the top audit firms transition its staff to do just that. Our speakers will walk through the genesis of the project through the various stages of capturing the auditor’s knowledge and expertise into a computable form and finally demonstrate the final vision.
J. Christopher Hull is a Partner in the Royalty Audit & Contract Compliance Department of Prager Metis CPAs. He has been in the accounting profession since 1985. Christopher leads Prager Metis’ New York-based royalty and licensing examinations, profit participation examinations, and contract compliance teams. He has conducted hundreds of audits on behalf of his clients, which include owners of copyrights and patents, as well as other intellectual property rights holders in the music, media, theater, video game, consumer products, and merchandise industries. Mr. Hull is a noted industry expert and has been a prolific speaker and author on royalty-related issues. He serves as Co-Chair of the annual CMJ Music Marathon’s Entertainment Business Law Seminar.

Lawrence Baisch, Chief Technology Officer for Prager Metis Technology and RYLTI, has over twenty-five years of expertise in corporate strategy, and information technology resource management. Prior to joining both firms, Lawrence led performance management solutions for customers in the healthcare, financial services, government and education sectors and led a Big 4’s Risk Sensing and Machine Learning technology development project.

11:45 AM – 1:00 PM - Lunch

1:00 – 1:45 PM – Robotics Process Automation

Companies are racing to unlock value from the next generation of digital technologies, including digital labor, which has moved far beyond using macros on a spreadsheet. Robotic Process Automation (RPA) – one form of digital labor–involves the use of software robots to automate processes. This session will show how Synchrony Financial is using RPA in their audits today to improve accuracy and reduce the auditor’s time on mundane tasks.

John Cardona started his career with GE Capital where he developed the data analytics reporting infrastructure for the Credit Risk Review organization. His expertise in automating processes, credit review analysis, and continuous monitoring has allowed him to excel in his current role in the Internal Audit Data Analytics team within Synchrony Financial. 2007-2008 chapter year, and has been serving as a Board of Governor since 2002. He is a graduate of Brooklyn College with a Bachelor’s degree in Accounting.

1:45 – 2:30 PM – Data Analytics Ecosystem

Organizations are increasingly investing in analytics initiatives to steer day-to-day operations and improve business decision-making. It can be difficult for a single organization to possess all of the necessary capabilities to derive strategic business value from their findings. Edgar Abreu will talk about using repeatable audit scripts in the audit process and what a data analytics ecosystem would look like for full automation of the repeatable audit scripts.

Edgar Abreu, VP, Data Analytics for Synchrony Financial, is a CPA. Since starting his career with EY, he has been working as an auditor and providing his expertise in financial, operational and compliance audits and data analytics to companies such as Warnaco, Texaco, Pitney Bowes, Anthem Blue Cross Blue Shield and US Tobacco. Most recently, he has developed a data analytics process and methodology for the Credit Review function at GE
Capital and is currently developing the data analytics team as VP of Data Analytics for Internal Audit with Synchrony Financial.

2:30 – 2:45 PM Break

2:45 – 4:00 PM – Data Visualization: State of the Industry and What’s Next

As data visualization continues to evolve with deployments becoming more complex and businesses more data-driven, there’s a big challenge that auditors are facing: how to combine audit and technology to garner greater insight. Aron Elston, from Accenture, will walk us through the internal audit data analytics transformation, new trends in data visualization and provide us with demonstrations and use cases in internal audit.

Aron Elston MBA, PMP is the National Leader for Regulatory & Compliance Analytics where he leads Innovation and Thought leadership focusing on building out top level analytics platforms for financial institutions. Aron has 25 years industry experience with various roles in analytics, IT infrastructure, software development, financial compliance, project management, and business analysis. Prior to joining Accenture, Aron held leadership positions at big four consulting firms where he assisted financial institutions to leverage data analytics to solve Audit and Compliance related issues. Aron is recognized as a technology and data analytics expert within the field and has been a primary delivery leader for major multi-million dollar engagements consisting of multinational teams with top Fortune 100 global and national financial institutions.

4:00 – 5:00 PM – The Language of Risk: Using Natural Language Understanding to Identify Key Risks

How can the latest advances in artificial intelligence be applied to reviewing internal audit reports? Can a system assist an auditor in evaluating audit coverage completeness? The present trends in machine learning are moving from numerical data to language and documents. Learn about the mathematical relationship of words, how computers read documents, and how AI can help internal auditors ask the right questions and generate the right insights for their clients.

Mathieu Lemay, CEO & Co-Founder of Lemay.ai and AuditMap.ai, has been a key innovator in the AI and Deep Learning space. With a strong background in management and engineering, Matt is a senior developer and project manager that has worked for multiple startups. He is an electronics engineer and computer scientist, and is the co-founder of Lemay.ai (a rapid deployment AI consultancy), Stallion.ai (a FinTech consultancy in the MENA region), and Auditmap.ai (a document parsing engine). He has extensive experience in the medical device and green energy industries, and is certified in ISO 13485, ISO 14971, IEC 62304, and ISO 9001.

Please note that we will be holding a social cocktail hour immediately following the conference downstairs in the Library of the Great Room. We hope to see you there!
Friday, October 19, 2018

Full-Day Program

Check-in and breakfast begin at 8:00 a.m. Program begins at 8:30 a.m. Lunch will be served at approximately 12:00 p.m and the session should end around 5:00 p.m. Participants will earn 8 CPD/CPE Credits.

Dress is business casual.

How to Register:
Please use the following online registration link: http://www.cvent.com/d/ybqqqf/4W

If you are having trouble with the link, notify Carolyn.Lea@nationalgrid.com. Cancellations must be made at least 24 hours prior to the event by contacting Lauren Agunzo <lagunzo@nsllpcpa.com>.

For Making Payments Offline:
You should register online (see above). In the payment section, select “check” or "other." If not registering online, please contact us at LIIIA@nsllpcpa.com or call Lauren Agunzo at 631.756.9500 x 229 at least 24 hours before to reserve your seat. Then complete and enclose this registration form, along with your check made payable to the IIA Long Island Chapter, and mail to: Institute of Internal Auditors LI, P.O. Box 442, Smithtown, New York 11787 or bring it the day of the seminar.

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Address: ____________________________

Phone Number: ____________________________

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Directions to the Melville Marriott:

From New York City: Take the Long Island Expressway (Route 495) to Exit 49 South. Take the ramp (right) onto the South Service Road. Turn left (North) onto Old Walt Whitman Road (Walt Whitman Road).

From Eastern L.I.: Take the Long Island Expressway (Route 495) to Exit 49 North. Take the ramp (right) onto the North Service Road. Turn right (North) onto Old Walt Whitman Road (Walt Whitman Road).

In case of weather emergency, the Melville Marriott phone number is: (631) 423-1600.