2022 Technology Trends Virtual Conference
December 8, 2022 | 10:00 a.m.–4:30 p.m. ET | 6.6 CPEs

7:00 – 8:30 AM PST | 9:00 – 10:30 AM CST | 10:00 – 11:30 AM EST

Opening Keynote: AI and the Future of Innovation

Daniel Hulme, PhD
Chief Executive Officer, Satalia
Chief AI Officer, WPP

American futurologist Roy Amara said in 2006 that "We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run." In a world where many believe access to more and more data will lead to ever better decision-making, this session will look at what AI really is, as well as identify future organizational and global challenges and opportunities. Dr. Daniel Hulme will argue why we need to embrace these emerging technologies and discuss the philosophical and ethical issues surrounding them.

In this session, participants will:
- Gain an understanding about what AI is, why it's here to stay, and its impact in the long run.
- Learn about possible (or actual) usage of AI in the internal audit profession.
- Hear about the biggest mistakes companies making when approaching the use of AI.
- Examine the main ethical concerns/considerations associated with AI.
- Reflect on whether we are living in a simulation created by a super intelligence and how AI relates to the Metaverse.

Dr. Daniel Hulme is a leading expert in artificial intelligence (AI) and emerging technologies, and is CEO of Satalia, a provider of AI solutions to global companies like Tesco and PwC. As Chief AI Officer for WPP, which acquired Satalia in 2021, Hulme helps define, identify, curate, and promote AI capability and new opportunities for the benefit of the wider group and society. Hulme received his Master and Doctorate degrees at University College London, where he serves as UCL's Computer Science Entrepreneur in Residence and a lecturer at the London School of Economics and Political Science's Marshall Institute. In addition, Hulme is a serial speaker for Google and TEDx, holds an international Kauffman Global Entrepreneur Scholarship, serves in advisory and executive positions across companies and governments, is a faculty member of Singularity University, and has contributed to numerous books, podcasts, and articles on AI and the future of work.

NASBA: Information Technology | Learning Level: Basic | CPE Credit: 1.8

8:40 – 9:40 AM PST | 10:40 – 11:40 AM CST | 11:40 AM – 12:40 PM EST

CS 1: Internal Audit's Digital Transformation Journey

Jason Ackerman
Professional Practices & Innovation
World Bank Group

From technology infrastructure to people, internal audit must have the capability to harness risk intelligence about an organization's data and digital assets (e.g., crypto assets, AI, RPA). This capability enables an internal audit function to understand how digital assets may influence its work program. Work program management choices shape the quality and depth of the insight and foresight communicated to management and the board about outcomes that matter most from organizational risks taking decisions and the corresponding control environment. Broadly, 'what matters most' is information about how strategic, performance, growth, and resiliency goals are achieved, or not.

In this session, participants will:
- Learn about digital transformation success factors, including minimum technology infrastructure for dynamic risk assessment, data analytics, knowledge management and communications, and establishing a single source of truth for internal audit's needs.
- Gain insights into preparing the internal audit workforce for a digital future state.
- Understand how to integrate change management and agile concepts into a roadmap to progress toward a digital future state (people, tools, technology, processes, culture) sufficient for internal audit to provide insight and foresight.

Jason Ackerman has 20 years of experience in internal audit, enterprise risk management, digital and operations transformation, security, privacy, and data analytics. He is passionate about driving innovation through the application of artificial intelligence and human-centered design. Before joining the World Bank, Ackerman worked in several industries, held Chief Audit Executive and Head of Enterprise Risk Management positions, and provided advisory services to blockchain fintech startup founders.

NASBA: Auditing | Learning Level: Intermediate | CPE Credit: 1.2

9:50 – 10:50 AM PST | 11:50 AM – 12:50 PM CST | 12:50 – 1:50 PM EST

CS 2: How to Audit Machine Learning

Andrew Clark, Ph.D.
Co-founder and Chief Technology Officer
Monitaur

With Machine Learning (ML) taking on a more significant role in critical decision making, ML risk management and compliance are becoming a concern. With ever-increasing regulatory scrutiny, companies deploying ML need to ensure they have a robust risk management program. This presentation will provide context around the current state of ML, mitigating controls for ML, and an overview of how to implement a control-centric assurance framework around ML systems.

In this session, participants will:
- Hear about the actual state of machine learning from an ML researcher versus the standard talking points.
- Understand the need for a machine learning audit.
- Follow steps to perform a basic machine learning audit.

Dr. Andrew Clark is the founding CTO of Monitaur, an AI governance software company, and champion for a holistic approach to building and deploying responsible AI and machine learning models through proven methods of audit and assurance. A trusted domain expert, Dr. Clark built and deployed ML auditing solutions at Capital One and served as an economist and modeling advisor for several very prominent cryptoeconomic projects while at Block Science. He currently serves as a key contributor to ISO AI Standards and the NIST AI Risk Management framework.

NASBA: Auditing | Learning Level: Intermediate | CPE Credit: 1.2

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11:20 AM – 12:20 PM PST | 1:20 – 2:20 PM CST | 2:20 – 3:20 PM EST

CS 3: State of Crypto

Varun Ebenezer
Principal, ERM – Technology
Options Clearing Corporation

-Give brief introduction of what cryptocurrencies/blockchain are and aren't.
-Provide an overview of the cryptocurrency/blockchain environment, including key developments, and what the regulatory state looks like;
-Highlight key risks, both established, emerging, and geopolitical ones; and
-Discuss the outlook for cryptocurrencies and blockchain over both the short term and long term.

<u>Learning Objectives</u>
-Obtain working knowledge of what cryptocurrencies/blockchain offer in terms of practical applications;
-Receive an overview of the most recent events, developments, and regulatory considerations; and
-Be able to debrief senior management and other stakeholders as applicable.

Varun Ebenezer is a Principal in the Enterprise Risk Management function at Options Clearing Corporation, where he focuses on cybersecurity and information technology. He previously led the IT Audit function at Kemper Insurance, was a Director of Technology Governance at BMO Harris, and spent time in IT Audit at the Federal Reserve Bank of Chicago. Ebenezer authored ISACA's Blockchain Preparation Audit Program and is a regular speaker on cryptocurrencies and blockchain. Some events he's spoken at include the IIA–Chicago Annual Seminar, ISACA North America CACS Conference, and IIA/ISACA Chicago Annual Hacking Conference.

NASBA: Information Technology | Learning Level: Basic | CPE Credit: 1.2

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12:30 – 1:30 PM PST | 2:30 – 3:30 PM CST | 3:30 – 4:30 PM EST

CS 4: Risks with Crypt, NFT and Web 3

Nassos Oikonomopoulos
Chief Control Officer
HSBC

Technology is changing rapidly, signaling a revolution in both the business world and our personal lives. Cryptocurrencies and NFTs are already creating financial value in day-to-day transactions as well as in investment portfolios. Web 3 is expected to affect how we interact with the internet. While these developments are exciting, they are also introducing new and amplifying existing risks.

In this session, participants will:
- Be introduced to cryptocurrencies, NFTs, and Web 3.
- Gain a foundational understanding of these developments, along with risk insights.
- Learn how to apply these developments to support their organizations in making risk-informed decisions.

Nassos Oikonomopoulos is the global head of cloud, DevOps, and emerging technology risk for HSBC. A digital risk leader, he has more than 21 years of experience working for top-tier financial institutions and consultancy firms. Oikonomopoulos has held senior positions in digital risk, cloud, cyber and IT regulatory management, and transformation programs in cyber, operational resilience and access management. He is passionate about growing diverse teams and nourishing talent by providing growth opportunities, challenges, and empowerment. Oikonomopoulos is a thought leader in industry forums and consultations for emerging technology risk, cloud, and cyber.

NASBA: Information Technology | Learning Level: Basic | CPE Credit: 1.2