Association of International Certified Professional Accountants®

The unified voice of AICPA and CIMA

AICPA Emerging Technologies

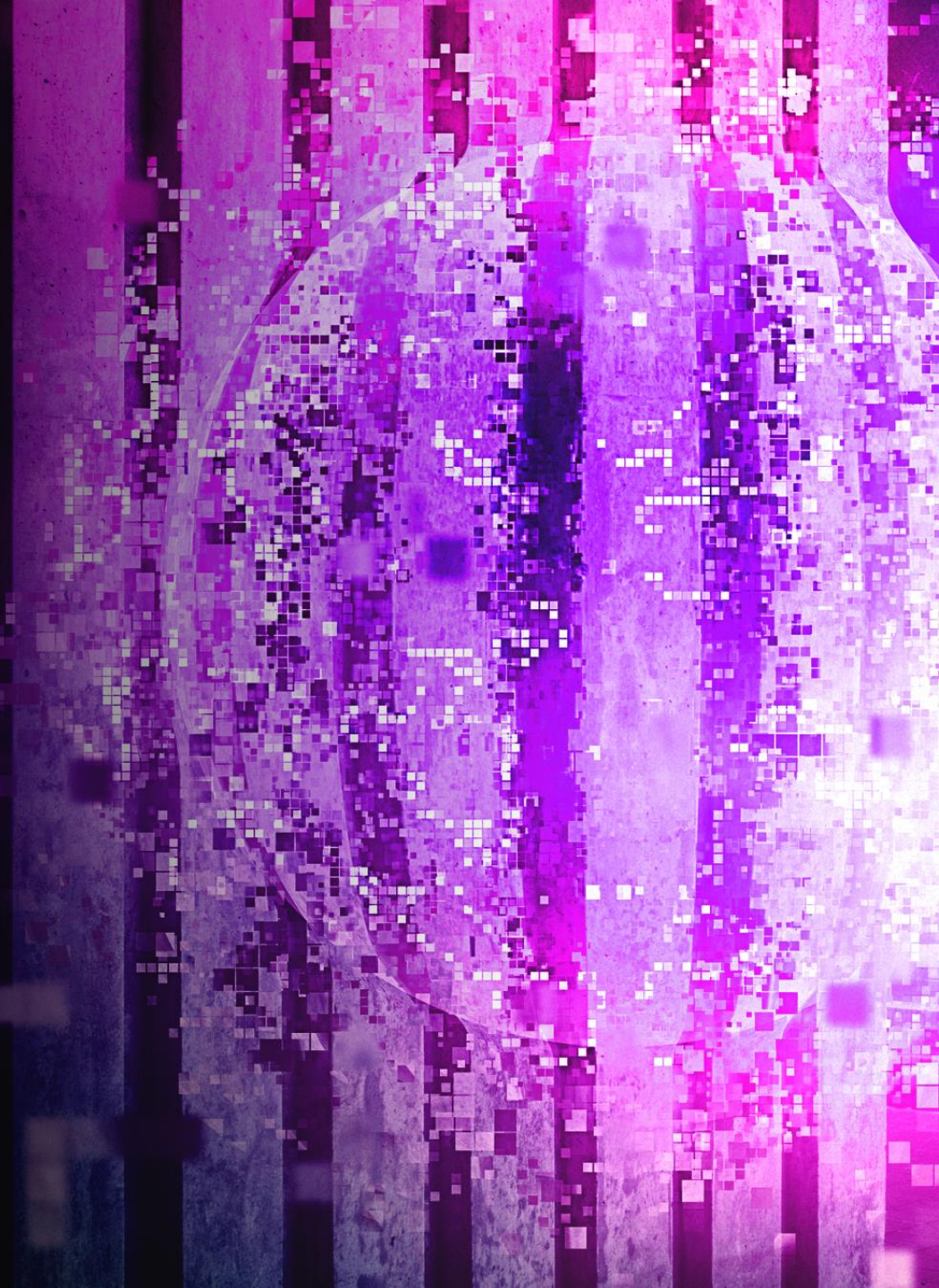
November 2019

Ami Beers

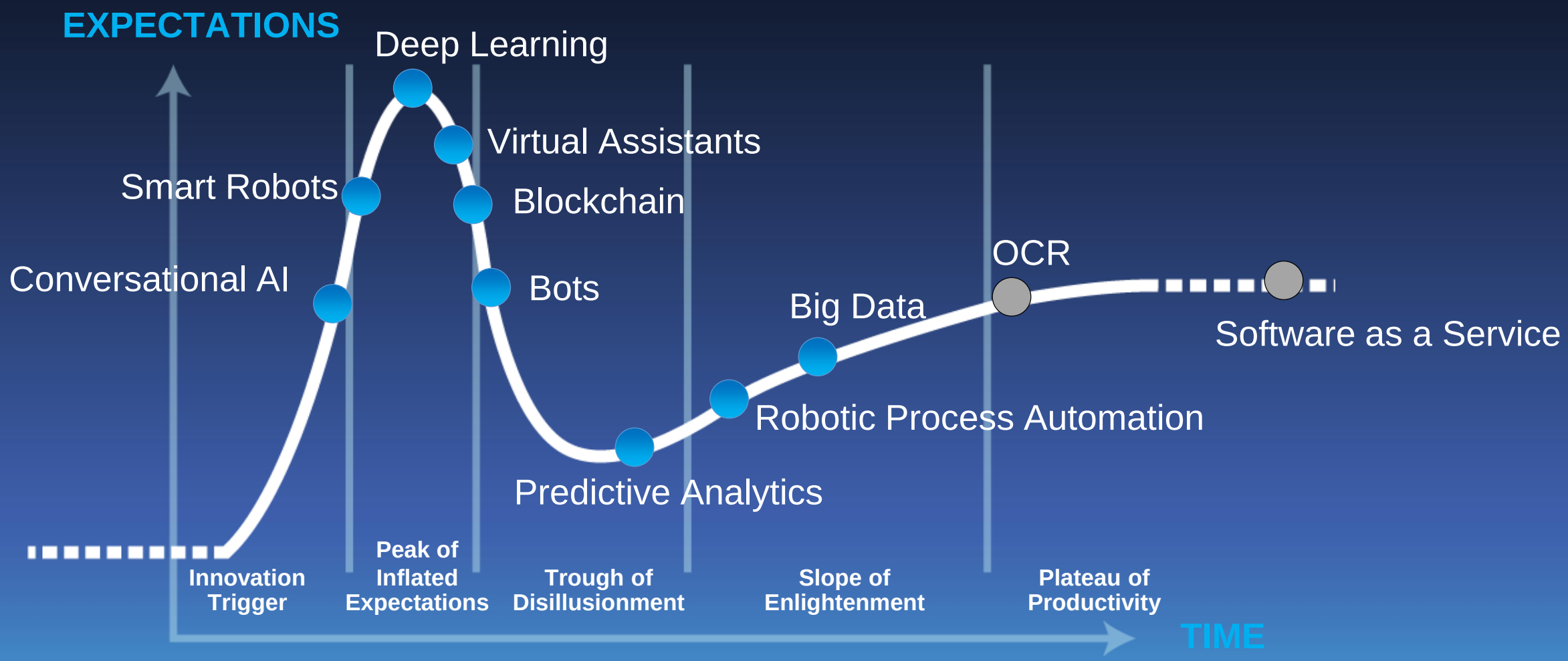
Senior Director, Assurance and Advisory Innovation

Emerging Technologies

Topics that will drive opportunities across the board for advisory, attestation and audit services…



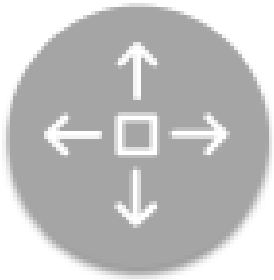
CPA.com Accounting Profession Megatrends, 2019



Source: 2019 CPA.com Identified Megatrends Plotted on the Gartner Hype Cycle Framework

Responding to the Rise of Emerging Technologies

Thought Leadership



Member Guidance

Advocacy

Tools and Resources

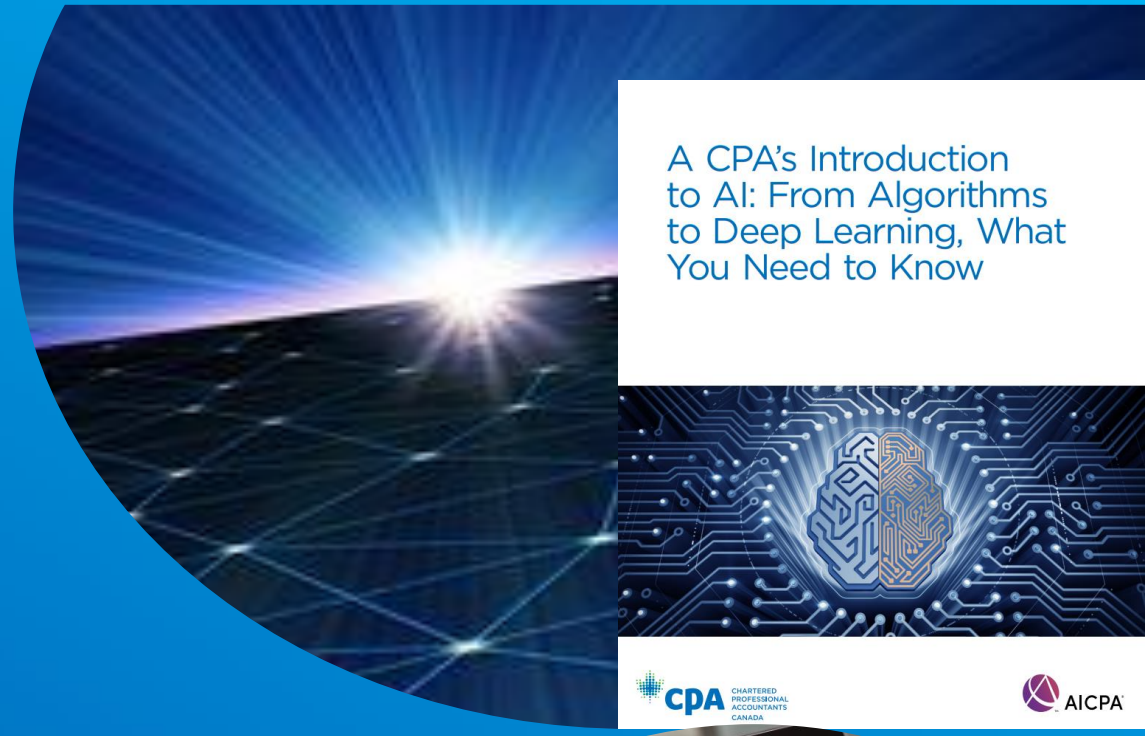
Learning and Development

Data Analytics/Business Intelligence

- **Rutgers AICPA Data Analytics Research Initiative (RADAR)**
- **Criteria for Evaluating the Integrity of a Set of Data**
- **Audit Data Analytics Guide**

Artificial Intelligence

- Thought leadership
  - AICPA/CPA Canada whitepaper: **A CPA's Introduction to AI, what you need to know**
  - CPA.com/AICPA whitepaper: **the rise of AI: a critical inflection point for the accounting profession**



- 2nd Annual Event
- Convene practitioners, educators, consultants, technologists and vendors
- Gather input and mindshare in order to frame and advance blockchain awareness.

BLOCKCHAIN accountingsymposium 2019

SEPTEMBER 23 • NEW YORK

AICPA Blockchain Working Groups

Blockchain implications on SOC1 and SOC2

- Guidance for practitioners covering the controls of a system that is impacted by blockchain technology

Digital Assets Working Group

- Audit and accounting guidance to CPAs in industry and public practice
- Non-authorative Accounting Q&As and Auditing Practice Aids

Virtual Currency Taxation Task Force

- Advocate for federal tax guidance

Reskilling the Profession - Technology Learning CPE

Data Analytics Learning Program

Available Now – CPE

- Data Analyst Certificates
  - Data Analysis Fundamentals Certificate
  - Application of Data Analysis Essentials Certificate
  - Data Analytics Modeling Certificate
  - Forecasting and Predictive Analytics Certificate
  - Data Visualization Certificate
  - Data Analyst Certificates bundle
- Data Analytics for Finance Managers
- Data Analytics Executive Program

Robotic Process Automation

Available Now – CPE

- Robotic Process Automation Strategy for Business Leaders
- Robotic Process Automation Fundamentals for Accounting & Finance Professionals Certificate
- RPA for Tax
- RPA for Accounts Payable & Receivable

Artificial Intelligence

Available Now – CPE

- Demystifying Artificial Intelligence
- Roadmap to Artificial Intelligence
- Artificial Intelligence: Strategy & Applications in Accounting, Audit and Financial Management

Blockchain

Available Now – CPE

- Blockchain Fundamentals for Accounting & Finance Professionals Certificate
- Blockchain Implications for Audit & Assurance Services
- Blockchain Implications for Tax
- Blockchain for Supply Chain
- Blockchain for Financial Services
- Blockchain for Healthcare
- Blockchain for Insurance
- Blockchain for Nonprofits
- Blockchain for Financial Advisors
- Advancing Food Safety with Blockchain

Cybersecurity

Available Now – CPE

- Cybersecurity Fundamentals for Finance and Accounting Professionals Certificate
- Cybersecurity Advisory Services Certificate
- Cybersecurity Practical Applications Certificate
- SOC for Cybersecurity Certificate Program

System and Organizations Controls (SOC)

Available Now – CPE

- SOC for Service Organizations • Reporting Overview
- Introduction to SOC for Service Organizations
- SOC for Service Organizations • Deep Dive
- SOC for Service Organizations School
- Advanced SOC for Service Organizations • Certificate Exam
- SOC for Cybersecurity Certificate Program
- Coming in 2020 – SOC for Supply Chain Learning

Available Now – Publications

- SOC 1® Guide
- SOC 2® Guide
- SOC for Cybersecurity Guide
- Coming in 2020 – SOC for Supply Chain Guide

https://www.aicpa.org/interestareas/informationtechnology.html

Technology Resources

- Artificial intelligence
- Blockchain
- Cybersecurity/Information Security
- Data analytics/Business intelligence
- Governance, risk & control
- Practice management
- Robotic Process Automation
- Technology content suite

Highlights

Beyond Disruption
Certified Information Technology Professional (CITP)
Committees

AICPA Technology Resource Hub

Welcome to the AICPA Information Technology Hub! We understand that technology is evolving at an unprecedented speed and affects each of us every day in almost all facets of life and business. Accounting and finance professionals need access to the latest technology information, tools and resources to best serve their clients or support their organizations. Here you will find resources to help support firm services, integrate operations, network and advise clients. Visit us often!

Search within the AICPA Information Technology Center

See results within the interest area

Search

Spotlight

Advancing Food Safety with Blockchain
Nov 19, 2019
10-11am ET
Gain a real-world understanding of how blockchain is impacting the global food supply chain by increasing end-to-end traceability, auditability and transparency of provenance. It will provide accounting and finance professionals with insight into one of the most profound and transformative blockchain use cases today.

1 2 3

Blockchain and Distributed Ledger Technology
There is no question blockchain and distributed ledger technology have the potential to significantly alter the way the accounting profession will operate. But there is a perception that blockchain is a theoretical technology, years away from implementation. In reality, it's already here.

Cybersecurity. Business Intelligence. IT Risk.

The **AICPA Certified Information Technology Professional (CITP) credential** has it all. It'll position you at the forefront of change.

For a limited time only, take the **CITP Exam** for free with purchase of any of the following three education products:

- Information Security Governance course
- Data Analysis Fundamentals Certificate
- IT Governance, Risks and Controls course

Learn more about the CITP credential.

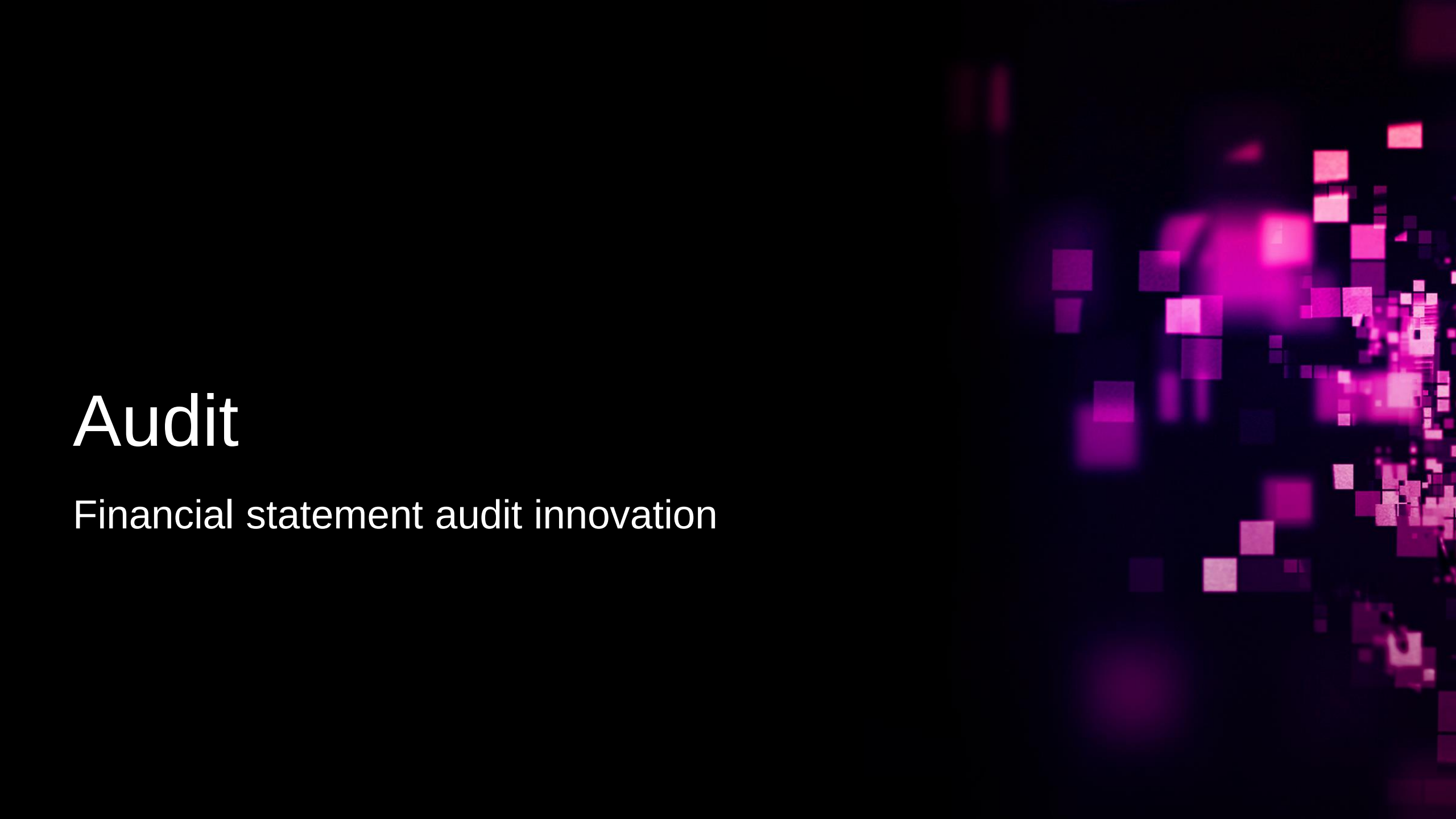
Pathway to CITP Infographic
Develop specialized knowledge through self-study courses and textbooks. Learn more about the CITP credential by downloading this infographic.

CITP Credential Directory

IMTA's Standing Ovation ProgramThe Standing Ovation

Audit

Financial statement audit innovation



Dynamic Audit Solution

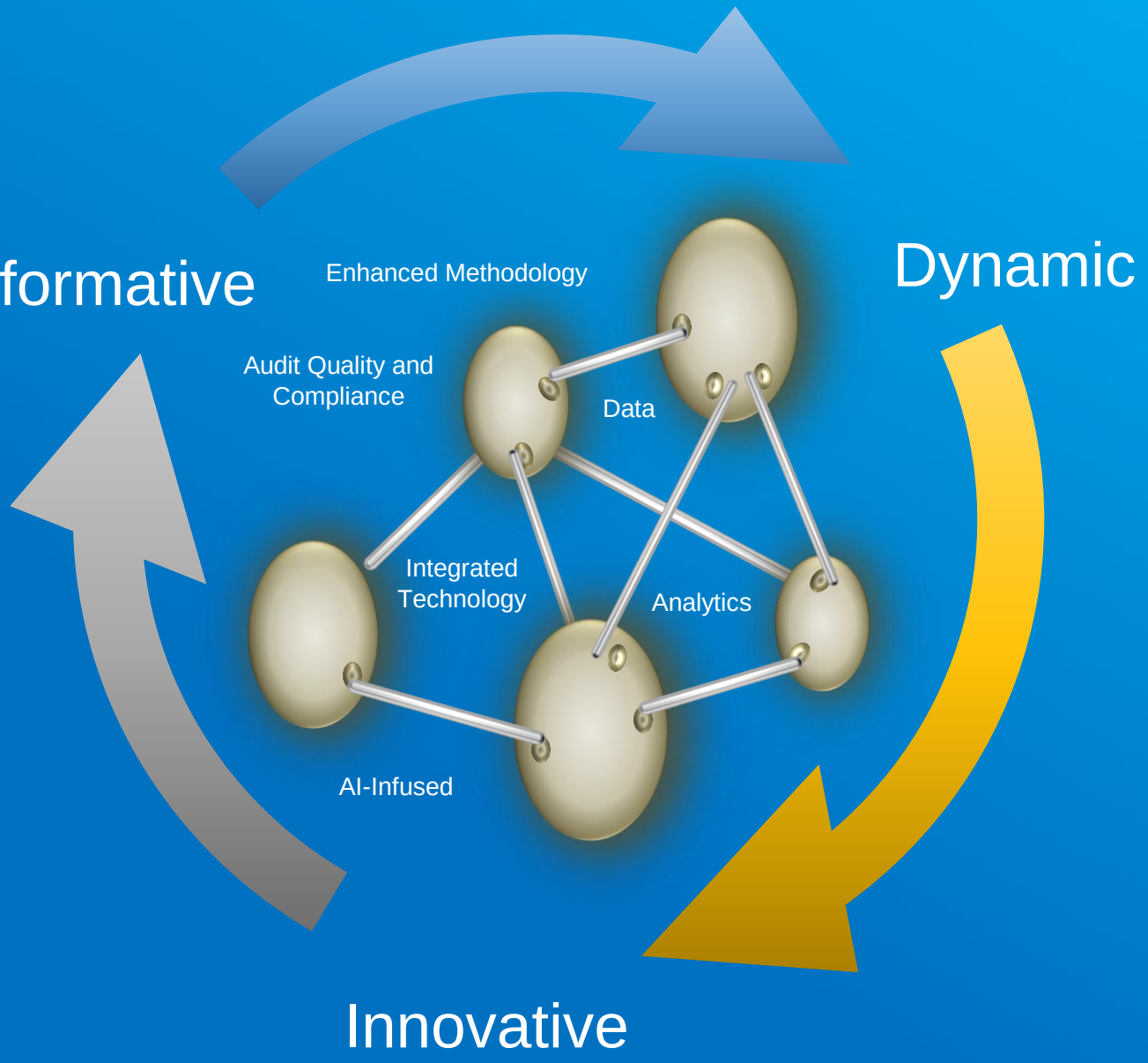
On behalf of its members and in service of the public interest, the AICPA, CPA.com, participating firms and others, will:

Develop a transformational audit methodology to modernize the audit process by leveraging data and advanced technologies, providing value and insight to clients and auditors through a state-of-the-art, fully integrated technology platform, driving high quality audits while allowing for extensibility and scalability.

DAS is supported by our partner and primary technology vendor CaseWare International.

Core Characteristics of Successful DAS Delivery

DAS will be a dynamic, data-connected platform that uses the power of innovative technology and transformative methodology to help heighten audit effectiveness and value delivered to clients



AICPA

Questions?