

Saturday, July 30, 2021- 1:00 pm-4:30 pm PDT

## **Workshop #07: How to Integrate Technology in Accounting Courses**

*Information Technology – 3.5 CH*

Presenter: Kristine Brands, United States Air Force Academy

### **Short Description:**

This session presents technology basics for accounting professors, what they need to know to include it in their undergraduate and graduate accounting courses, and how to achieve the integration. It addresses how to enhance traditional accounting courses with technology topics.

### **Long Description:**

Technology is playing a major role in the evolution of the accounting profession. Some think including technology in the accounting curriculum is a zero-sum situation requiring dropping traditional accounting topics to make room for technology topics. And some accounting professors are overwhelmed with the rapid developments in technology feeling unprepared to integrate it in their classes. This session presents technology basics for accounting professors, what they need to know to include it in their undergraduate and graduate accounting courses, and how to achieve the integration.

At the end of this workshop, you will be able to:

- Identify and explain basic technologies affecting the accounting profession including data analytics and visualization, artificial intelligence and machine learning, digital ethics, distributed ledgers (Blockchain), XBRL, and cybersecurity.
- Integrate technology in the accounting curriculum.
- Prepare a personal plan to become a tech savvy accounting professor.

The objectives will be met through a combination of lecture, accounting software demos, hands-on exercises, and class discussion.

### **Format/Structure:**

The workshop will address the following topics:

1. Technology Basics for Accounting Professors
2. Digital Ethics for Accountants
3. Internal Control for Digital Accounting: COSO and COBIT Frameworks
4. Cybersecurity Threats: What Accounting Students and Professors Need to Know
5. Artificial Intelligence Basics and Implications for Accounting
6. Tech Trends for Accounting and Analytics
7. A Survey of Data Analytics Tools for Accounting Classes (Hands-on)
8. How to Become a Tech Savvy Accounting Instructor

### **Intended Audience:**

All experience levels of undergraduate and graduate accounting faculty.

### **Prerequisites:**

None

**Advance Preparation:**

Access accounting software tools based on instructions provided in advance.

**Learning Objective:**

o Explain how technology concepts and issues affect the accounting profession - data analytics and visualization, artificial intelligence and machine learning, distributed ledgers (blockchain), digital ethics, internal control for technology, XBRL, and cybersecurity. o Use accounting and analytics software to complement traditional accounting courses. o Discuss accounting technology case studies and assignments in managerial accounting, auditing, accounting capstone, accounting ethics, financial accounting, and accounting information systems courses. o Describe emerging tech trends and how they relate to accounting. o Define steps to become a tech savvy accounting professor.

**Field of Study:** Information Technology

**Program Level:** Basic

Group Live