EXPLORING INNOVATIVE TECHNOLOGIES & CONTROLS

July 16-18, 2019
Hyatt Regency Crystal City
Arlington, VA
Workshops: July 15, 18-19

KEYNOTE SPEAKERS

DANNY GOLDBERG
Founder,
GoldSRD

JESSICA PFENNIG, EMBA
Compliance Business Partner,
US AstraZeneca Pharmaceuticals

DAVID REED
Partner,
Reed and Jolly, PLC

4 Tracks Exploring Innovative Technologies and Controls

NEW!
• Government Forum, July 17
• Auditing Information Security Technology
• Data Management Strategies
• Exploring Technology Innovations

CO-LOCATED SUMMIT
Data Governance

July 15

EARN UP TO 38 CPEs!
<table>
<thead>
<tr>
<th>Time</th>
<th>Track</th>
<th>AUDITING INFORMATION SECURITY TECHNOLOGY</th>
<th>DATA MANAGEMENT STRATEGIES</th>
<th>EXPLORING TECHNOLOGY INNOVATIONS</th>
</tr>
</thead>
</table>
| 10:15 AM - 11:15 AM | A1 IT Audit, RPI, and Machine Learning: The Love Triangle  
Steve DeSantis, Quicken Loans | B1 The Principles of Data Management  
Michael Atkin, EDM Council | C1 Continuous Auditing: How DevOps is Reshaping Traditional IT Audit Practices  
Dan Petit, Hilton | |
| 11:25 AM - 12:15 PM | A2 Data and Automation 2.0  
Steve Pollick, Angela Mahan, Jason Nark, Bank of America | B2 Evolving Data Management Practices to Support the Cloud  
Theresa Peachey, American Family Insurance | C2 How to Not Get Hacked (in 9 Easy Steps)  
Albert Lewis, Federal Housing Finance Agency | |
| 12:15 PM - 1:30 PM | Networking Luncheon | | | |
| 1:30 PM - 2:30 PM | A3 Late-Breaking Session | B3 Leveraging IT Security Controls to Achieve Data Privacy Compliance  
Mun-Wai Hon, Kathleen Eaves; Noblis | |
| 2:30 PM - 3:00 PM | Refreshment Break with Sponsors | | | |
| 3:00 PM - 4:00 PM | A4 Understanding the Core Components of Performing a SOC Cybersecurity Audit  
Rick Williams, SB and Company | B4 Late-Breaking Session | C4 Blockchain for Auditors  
Andrew Clark, BlockScience | |
| 4:00 PM - 5:00 PM | Networking Reception | | | |

**CONFERENCE AT-A-GLANCE**

*All sessions are a technical level of medium unless specified otherwise.*

<table>
<thead>
<tr>
<th>Date</th>
<th>早餐和赞助商</th>
<th>AUDITING INFORMATION SECURITY TECHNOLOGY</th>
<th>DATA MANAGEMENT STRATEGIES</th>
<th>EXPLORING TECHNOLOGY INNOVATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUESDAY, JULY 16</td>
<td>Registration &amp; Continental Breakfast with Sponsors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM - 8:30 AM</td>
<td>Chair's Welcoming Remarks: Shawna Flanders, MISTI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:45 AM - 9:45 AM</td>
<td>Keynote: Anywhere, Anytime, Anything – Auditing Everything! Danny Goldberg, GoldSRD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:45 AM - 10:15 AM</td>
<td>Refreshment Break with Sponsors</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 10:15 AM - 11:15 AM | A1 IT Audit, RPI, and Machine Learning: The Love Triangle  
Steve DeSantis, Quicken Loans | B1 The Principles of Data Management  
Michael Atkin, EDM Council | C1 Continuous Auditing: How DevOps is Reshaping Traditional IT Audit Practices  
Dan Petit, Hilton | |
| 11:25 AM - 12:15 PM | A2 Data and Automation 2.0  
Steve Pollick, Angela Mahan, Jason Nark, Bank of America | B2 Evolving Data Management Practices to Support the Cloud  
Theresa Peachey, American Family Insurance | C2 How to Not Get Hacked (in 9 Easy Steps)  
Albert Lewis, Federal Housing Finance Agency | |
| 12:15 PM - 1:30 PM | Networking Luncheon | | | |
| 1:30 PM - 2:30 PM | A3 Late-Breaking Session | B3 Leveraging IT Security Controls to Achieve Data Privacy Compliance  
Mun-Wai Hon, Kathleen Eaves; Noblis | |
| 2:30 PM - 3:00 PM | Refreshment Break with Sponsors | | | |
| 3:00 PM - 4:00 PM | A4 Understanding the Core Components of Performing a SOC Cybersecurity Audit  
Rick Williams, SB and Company | B4 Late-Breaking Session | C4 Blockchain for Auditors  
Andrew Clark, BlockScience | |
| 4:00 PM - 5:00 PM | Networking Reception | | | |

**WEDNESDAY, JULY 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Track</th>
<th>AUDITING INFORMATION SECURITY TECHNOLOGY</th>
<th>DATA MANAGEMENT STRATEGIES</th>
<th>EXPLORING TECHNOLOGY INNOVATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 AM - 9:15 AM</td>
<td>Continental Breakfast with Sponsors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:15 AM - 10:15 AM</td>
<td>Keynote: Embracing Digital Transformation, Jessica Pfennig, AstraZeneca Pharmaceuticals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15 AM - 10:45 AM</td>
<td>Refreshment Break with Sponsors</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 10:45 AM - 11:35 AM | A5 Lessons Learned: Diary of an IT Audit Leader  
Jean Harbort, American Family Insurance | B5 A New Application of Data Analytics: Using Data to Assess Culture  
Richard Fowler, Huntington Ingalls Industries | C5 The Rapid Spread of Robotic Process Automation (RPA)  
Anthony Noble, Viacom | D1 Using the NIST Cybersecurity Framework to Audit Cybersecurity: A Local Government Case Study  
Michael Graf, Hennepin County |
| 11:45 AM - 12:35 PM | A6 PC Enterprise-Wide IT Risk Assessment Journey  
Angelita Nieves, Rolando Espinoza; PartyCity | B6 Applying Organizational Resilience in Audit, Risk Management, & Business Continuity  
Xiaolei Zeng, Matthew Sale; The World Bank | C6 Incorporate Visibility of Inaccessible or Sensitive Assets into Your Overall Vulnerability and Compliance Program  
Mark Holub, Qualys | D2 Cybersecurity Assurance Using the CIS Controls  
Greg Johnson, Federal Reserve Bank of Richmond; Tony Sager, Center for Internet Security |
| 12:35 PM - 1:30 PM | Lunch on Your Own | | | |
| 1:30 PM - 2:20 PM | A7 Understanding Internet of Things (IoT) Risks and Controls  
Eric Palmer, Mary Washington Healthcare | B7 Leveraging Enterprise Risk Management for Better Data Governance  
Kara Kearney-Saylor, University at Buffalo | C7 When Compliance Kills Security  
Roger Grimes, KnowBe4 | D3 Dissecting Active Directory: Using PowerShell to Audit User Privileges and Configurations  
Jason Yakencheck, IBM; Mike Howard, US House of Representatives |
| 2:30 PM - 3:20 PM | A8 Auditing Cyber Defense Technologies  
Stephen Head, Expertis Finance | B8 Excel at Data Analysis: Unlocking the Audit Power at Your Fingertips  
Ariana Levinson, Washington Gas | C8 When Good Apps Go Bad: Application Security and Privacy  
Steve Sanders, CSI | D4 The Business-Driven Audit Plan: Cybersecurity and Governance of Emerging Technology  
Greg Witte, G2 |
| 3:20 PM - 4:00 PM | Coffee & Dessert with Sponsors; Passport-to-Prizes announced | | | |
| 4:00 PM - 4:50 PM | A9 Managing Out-Sourced Technology and Service Providers  
Harvey Johnson, PBMares | B9 Pre-Implementation Reviews: Providing Assurance & Influencing Data Management  
Chris Kaminsky, E*TRADE | C9 Blockchain and GDPR: Forgetfulness Comes With a Price  
Josh Marpet, Scott Lyons; Red Lion | D5 Developing an Audit Plan From the NIST Cybersecurity Framework  
Timothy Grace, Mueller Prost |
| 9:00 AM - 10:00 AM | Keynote: Putting Knowledge into Action: The 3 Things You Need to Do Right Now! David Reed, Reed & Jolly | | | |

**THURSDAY, JULY 18**

<table>
<thead>
<tr>
<th>Time</th>
<th>Track</th>
<th>AUDITING INFORMATION SECURITY TECHNOLOGY</th>
<th>DATA MANAGEMENT STRATEGIES</th>
<th>EXPLORING TECHNOLOGY INNOVATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM - 9:00 AM</td>
<td>Continental Breakfast</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 AM - 10:00 AM</td>
<td>Keynote: Anywhere, Anytime, Anything – Auditing Everything! Danny Goldberg, GoldSRD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 10:10 AM - 11:00 AM | A10 Think Outside the Box: Applying Innovative Audit Analytics  
Yves Froude, The World Bank | B10 Data Management Coffee Klatsch  
Shawna Flanders, MISTI | C10 An Introduction to IoT Penetration Testing  
Charles Sgrillo, KMCO | |
| 11:00 AM - 12:00 PM | A11 Internal Audit and Robotic Process Automation  
Rene Herrera, Prateek Varshney; Office Depot | B11 Using Data Analytics in Data Governance  
Trent Russell, Greenskies Analytics | C11 Ethical Hacking for IT Auditors  
Lee Neely, Lawrence Livermore National Laboratory; Chelle Clements, Online Marketing & Publishing | |
Keynote Speakers

TUESDAY, JULY 16
8:45 AM – 9:45 AM

Opening Keynote: Anywhere, Anytime, Anything – Auditing Everything!
Danny Goldberg, Founder, GoldSRD

Many audit departments focus on industry experience. Many focus on certifications. Does any of it even matter? There is something to be said for industry experience, specifically in highly-regulated industries. Certifications also show a dedication to the profession and an undeniable effort to learn. Where should the focus be? Instead of industry experience and certifications, there should be a renewed focus on a strong audit methodology and relationship building. This keynote will take you through fast, easy and simplistic ways to audit anything, at any time... and even anywhere!

WEDNESDAY, JULY 17
9:15 AM – 10:15 AM

Embracing Digital Transformation
Jessica Pfennig, EMBA, US Compliance Business Partner, AstraZeneca Pharmaceuticals

The buzz phrase of 2019 is “Digital Transformation”. What does this fundamental rethinking of how an organization uses technology, people and processes to meet changing business and market requirements mean to you and your teams? Jessica will share how emerging technology is used in a real-world example of risk mitigation, as well as the details of applying automatic monitoring and surveillance. From the lens of the customer’s eyes you’ll learn how to help design effective audit programs.

THURSDAY, JULY 18
9:00 AM – 10:00 AM

Closing Keynote: Putting Knowledge into Action: The 3 Things You Need to Do Right Now!
David Reed, Partner, Reed & Jolly

As complex algorithms run on powerful, high-speed computers, drones deliver packages, robots manage warehouses, and Alexa answers all our weather-related inquiries, we appreciate the increasing role technology plays in the marketplace. Unfortunately, with all the shock and awe of technological breakthroughs, comes risk. For every new idea or convenience-related service, there are new opportunities for bad guys to ruin our day. Constant vigilance is required to keep our entity safe, and audit plays a central role in that process. However, in such a fast-paced environment, it is often difficult to maintain the assurance that we are staying ahead of the curve. Join recovering general counsel and security officer, David Reed, as he discusses creating a workable methodology for managing the incredibly fast-paced and changing world of IT security and the role audit must fill to bring the gap between knowledge and action.

Data Governance

MONDAY, JULY 15
9:00 AM – 9:15 AM

Chair Opening Remarks
Shawna Flanders, Director of Instructional Technology and Innovation, MISTI

9:15 AM – 10:15 AM

Guiding Principles for Sustainable Data Governance
Michael Atkin, Managing Director, EDM Council

Data management starts and ends with governance. Governance is built upon a foundation of collaboration based on sustainable data policy and implemented as an organizational mandate. Without an effective data governance process, it is impossible to achieve data accuracy, comparability and consistency across the organization. This session will put the concept of data governance into context, set out the guiding principles for sustainable data governance in financial services and define the key roles and responsibilities associated with data management in federated environments. We will look at the key to defining and implementing effective data policies and focus on the requirements for managing a standards-based infrastructure needed to ensure data quality.

10:30 AM – 11:30 AM

A Data Governance Journey to Maturity
Theresa Peachey, Information Standards, Governance & Quality Manager, American Family Insurance

In 2013, American Family embarked on a formal Enterprise Data Management initiative. While there have been multiple renditions of the organizational structure, the maturity of Data Management continues to evolve and strong partnerships flourish with the business and technical stakeholders.

11:30 AM – 12:30 PM

Data Democracy or Data Dictatorship: Which Works Best For Your Company
Ralph Villanueva, IT Security and Compliance Analyst, Diamond Resorts

Formulating and enforcing comprehensive yet cost-effective data governance is a Herculean task at best and a career-killer at worst. Because of the complexity and the resources needed to make it happen, some companies resort to draconian measures, and even dictatorial means to enforce it. But does it really work? This session covers these challenges, the types of approaches and the opportunities to achieve effective data governance compliance.

1:30 PM – 2:30 PM

Incorporating the DFARS requirements and NIST in Your Data Governance Strategy
Richard Fowler, Senior Audit Specialist, Huntington Ingalls Industries

Jeff Pye, IT Audit Lead, Huntington Ingalls Industries

Organizations that work with the federal government have a number of regulations to comply with that impact operations and that need to include the IT organization, data security and data governance. Hear how Huntington Ingalls Industries is incorporating the DFARS requirements (Defense Federal Acquisition Regulations Supplement) and NIST into their data governance strategy.

2:45 PM – 3:45 PM

Late-Breaking Session

3:45 PM – 5:00 PM

Data Governance Panel

This interactive panel discussion will explore how various enterprises and agencies are addressing data governance and how audit is getting involved and assessing data governance. The opinions presented will help highlight the challenges at hand, plus the options available to help solve them, while bringing valuable lessons learned to the forefront.

Interested in Sponsoring ITAC?
Contact Mike Shemesh, Sales Director, at mshemesh@misti.com or (508) 532-3656.

Register Today | Phone: 508-879-7999 ext. 501 | For session details, visit itac.misti.com
**B1 The Principles of Data Management**
Michael Atkin, Managing Director, EDM Council
- Data management in the era of linked risk and global interconnectivity
- How data management is fundamentally the management of meaning
- The core principles needed to manage meaning
- Define what is required to ensure trust and confidence that your data is harmonized, comparable and precise

**A1 IT Audit, RPA, and Machine Learning: The Love Triangle**
Steve DeSantis, IT Audit Manager, Quicken Loans
- Gain an understanding of what robotic process automation (RPA) and machine learning (ML) are and their current trends
- Learn how RPA and ML change how IT auditors need to audit
- Use cases of auditing and utilizing RPA and ML
- Skills that are useful to cultivate on your IT audit team to ensure success

**C2 How to Not Get Hacked (in 9 Easy Steps)**
Albert Lewis, Principal Cybersecurity Examiner, Federal Housing Finance Agency
- How popular hacking tools are used
- Ways to tell if you have been hacked
- Steps to make your online experience more safe and secure
- Promoting awareness of cybersecurity best practices to safeguard sensitive data

**A2 Data and Automation 2.0**
Steve Pollick, SVP, Audit Director – Data, Bank of America
Angela Mahan, SVP, Audit Director – CFO, Bank of America
Jason Nark, SVP, Senior Audit Manager – Data, Bank of America
- Integrated business process testing with data quality and analytics techniques
- Shifting from cycle driven work to continuous testing, and tools to drive efficiencies
- Operating models for building continuous tests to drive quicker development cycles and reduced costs

**A3 Late-Breaking Session**

**A4 Understanding the Core Components of Performing a SOC Cybersecurity Audit**
Rick Williams, Principal Information Technology Risk and Assurance, SB and Company
- Introduction and background for reporting on an organization’s cybersecurity risk management program and controls
- How the risk management framework factors into the cybersecurity program assessment
- Understanding the specific areas of the cybersecurity trust principle

**C4 Blockchain for Auditors**
Andrew Clark, Data Scientist, BlockScience
- What blockchain is
- The differences between public and private blockchains
- Where blockchain can be useful to companies and where it is unnecessary
- What security considerations exist
- Performing a basic blockchain audit
• Eliminating blind spots and preventing
• Extracting vulnerability and configuration
• Extending compliance and vulnerability
Compliance, Qualys
Mark Holub, Vulnerability and Compliance Program
C6: Incorporate Visibility of Inaccessible
• Benefits and challenges of incorporating
• How organizational resilience can be adapted
to increase long-term success
• Benefits and challenges of incorporating
organizational resilience in business
continuity management

11:45 AM – 12:35 PM
A7 Understanding Internet of Things (IoT)
Eric Palmer, Director of Internal Audit, Mary
Washington Healthcare
• A basic understanding of IoT technology
• Growth and changes in the IoT landscape
over the next few years
• Common risks associated with IoT
• Recommended controls to address
• Resources that the IT auditor can use to stay
current and gain a better understanding
1:30 PM – 2:20 PM
B7 Leveraging Enterprise Risk
Management for Better Data Governance
Kara Kearney-Saylor, Director of Internal Audit,
University at Buffalo
• Risks associated with Big Data
• Data governance mistakes made by others
• Keys to a successful governance program
• Should you audit data governance?
• Ensuring your ERM program is considering
data governance
1:30 PM – 2:20 PM

C7 When Compliance Kills Security
Roger Grimes, Data-Driven Defense Evangelist,
KnowBe4
• Examples of compliance vs. security conflicts
which lessen computer security
• How to recognize a conflict
• How to handle and resolve a conflict
• Learn when to approach the compliance
board and ask for a change
1:30 PM – 2:20 PM
D3 Dissecting Active Directory: Using
PowerShell to Audit User Privileges and
Configurations
Jason Yakencheck, Senior Managing
Consultant, IBM
Michael Howard, Assistant Director, IS Audits,
U.S. House of Representatives Office of Inspector
General
• Best practices for using PowerShell to obtain
Windows user or computer object information
for an audit

11:45 AM – 12:35 PM
D2 Cybersecurity Assurance Using the CIS
Controls
Greg Johnson, VP & Assistant General Auditor,
Federal Reserve Bank of Richmond
Tony Sager, SVP & Chief Evangelist, Center for
Internet Security
• Current developments for the CIS Controls
• Context on assurance frameworks like NIST
CSF, FISMA, COSO, and the Controls
• Audit approach using the Controls
• Tool to measure the Controls’ effectiveness
and maturity
1:30 PM – 2:20 PM

A8 Auditing Cyber Defense Technologies
Stephen Head, Director, Experis Finance
• The new generation of cyber defense tools
and how they work
• Key success factors for deploying these tools
• Practical tips for auditing these new tools
• Techniques for leveraging these tools to
facilitate continuous monitoring and extend
audit coverage beyond what is currently
attainable
• Case study details on how these technologies
were deployed in an actual organization
2:30 PM – 3:20 PM

B8 Excel at Data Analysis: Unlocking the
Audit Power at Your Fingertips
Ariana Levinson, Internal IT Auditor, Washington
Gas
• How to use Excel to reduce technology costs
• The magic of Pivot Tables: What they are,
how to set them up, and how they can be
used in audit
• Formulas of all kinds: H- & V-Lookups, basic
math, data comparisons, and template
creation with built-in automation
• Tips n’ Tricks that make life easier
2:30 PM – 3:20 PM

D4 The Business-Driven Audit Plan:
Cybersecurity and Governance of
Emerging Technology
Greg Witte, Senior Security Engineer, G2
• Lessons learned from auditing experiences
• How to evaluate compliance with regulatory
or policy guidance
• Lessons learned from auditing experiences
2:30 PM – 3:20 PM

4:00 PM – 4:50 PM
A9 Managing Out-Sourced Technology and Service Providers
Harvey Johnson, Partner, Cyber & Control Risk Services, PBMares
- Why third-party oversight is a key IT/cyber risk
- Key components and types of SOC reports
- Why Complimentary User Entity Controls are important
- How to identify and manage third-party vendors

4:00 PM – 4:50 PM
B9 Pre-Implementation Reviews: Providing Assurance and Proactively Influencing Data Management
Chris Kaminsky, CISA, Director, IT Audit - Internal Audit Department, E*TRADE
- Using the 3rd line’s experience and knowledge to identify potential problems and add value
- Maintaining IA’s independence while providing consultative insights
- Scope of reviews: Standard risk considerations versus project-specific considerations
- Timing of reviews: Pros and cons to getting involved at the beginning or after development has started
- Data governance and management: Ensuring aspects of data governance are built in

4:00 PM – 4:50 PM
C9 Blockchain and GDPR: Forgetfulness Comes With a Price
Joshua Marpet, COO, Red Lion LLC
Scott Lyons, CEO, Red Lion LLC
- The difference between anonymized information, pseudonymized information, encrypted information and masked information
- GDPR exceptions and how they apply to blockchain
- Using architecture to answer regulatory concerns
- Why planning ahead is a force multiplier for compliance

4:00 PM – 4:50 PM
G5 Developing an Audit Plan From the NIST Cybersecurity Framework
Timothy Grace, Director, Mueller Prost
- What the NIST Cybersecurity Framework covers
- The other NIST guidance needed to fully implement the NIST Cybersecurity Framework
- The common misconceptions and possible pitfalls related to using the NIST Cybersecurity Framework to develop audit programs
- How it relates to other regulations such as CUI, HIPAA and SCADA systems

THURSDAY, JULY 18
10:10 AM – 11:00 AM
A10 Think Outside the Box: Applying Innovative Audit Analytics
Yves Froude, Data Analytics Officer, The World Bank
- Why and when to use unconventional analytics
- What type of tests can be performed
- Build a test from scratch (concrete step-by-step example on a real-life, complex case with usable templates)
- What to do when things don’t work your way; turning failures into successes

10:10 AM – 11:00 AM
B10 Data Management Coffee Klatsch
Shawna Flanders, Director of Instructional Technology & Innovation, MISTI
- Understanding current data management concerns
- How to identify data sources
- Challenges organizations face when assessing and selecting data management tools

10:10 AM – 11:00 AM
C10 An Introduction to IoT Penetration Testing
Charles Sgrillo, Manager – Cybersecurity, KMCO
- The basic principles of IoT security
- IoT wireless communications
- Tools for wireless reverse engineering
- An introduction software defined radio
- IoT penetration testing examples

TEAM DISCOUNT
Register 2 and the 3rd can Register at 50% off!
The discount will apply to the registration of lowest value, cannot be combined with any other discount offers and does not apply to previous registrations. Team registrations must be made and paid for at the same time.

FEES
All fees must be paid in advance in US dollars. The conference fee includes admission to sessions, all conference materials, continental breakfasts, refreshments, lunch, and reception. All workshop fees include lunch and materials for the workshop(s) you attend.

CANCELLATIONS, TRANSFERS AND SUBSTITUTIONS
If you can no longer attend the ITAC Conference, please review the MISTI cancellation policy below and provide written notice to MISTI Customer Service at customerservice@misti.com. Cancellation policies are subject to change without notice. Cancellations received before June 1, 2019 will be entitled to a 100% refund less an administrative fee of $195. You may elect to substitute another individual from your organization for the same event at any time without incurring an administrative fee of $195. Registrations are non-transferable to other events. Cancellations received between June 2-24, 2019 will be refunded 50% of the amount paid. No refund will be given for cancellations received after June 24, 2019.

CONTINUING EDUCATION CREDITS
All participants are eligible for 16 hours of Continuing Education Credits for the conference, 8 for the summit, 8 for the full-day workshops and 6 for the half-day workshops. Credits may be applied toward professional recertification requirements.

E 
American Institute of CPAs (Licensed in all states except IL), 38 CPEs for ITAC 2019 Full Event Pass (includes main conference pass, one full-day summit/workshop per time slot & one half-day workshop)
38 CPEs for ITAC 2019 Main Conference
16 CPEs for ITAC 2019 Government Main Conference
16 CPEs for ITAC 2019 IIA/ISACA Main Conference (10% off main conference registration fee only)
ITAC 2019 Late Registration
$395
$895
$995
$695
$595
$695

Register Today | Phone: 508-879-7999 ext. 501 | For session details, visit itac.misti.com
Hyatt Regency Crystal City
2799 Jefferson Davis Hwy, Arlington, VA 22202

ITAC 2019 will be held at the Hyatt Regency Crystal City in Arlington, VA. A block of discounted rooms at a rate of $199.00 per night have been reserved at the Hyatt Regency Crystal City until June 21, 2019. To reserve your room, call the hotel directly at (703) 418-1234 or visit itac.misti.com/hotel-travel.

Workshops

**MONDAY, JULY 15  8 CPEs**
9:00 AM – 5:00 PM

W1 Auditing a Cybersecurity Program
Jason Claycomb, Principal, INARMA
Auditors need to be able to assess the effectiveness of an enterprise's cybersecurity program. They need to understand what controls are needed, where the controls should be positioned and how to perform substantive tests to assess the controls reasonable effectiveness specifically related to cybersecurity.

During this workshop attendees will have the opportunity to conduct a mock cybersecurity program audit. By the end of the workshop attendees will be armed with knowledge of how to perform an assessment on a company's cybersecurity program and will leave with audit and self-assessment checklists, along with examples of various cybersecurity program artifacts.

- Vulnerability assessment
- Threat analysis
- Cybersecurity risk assessment

**THURSDAY, JULY 18  6 CPEs**
12:15 PM – 5:15 PM

W2 Understanding and Conducting Effective Digital Presence Audits
Shawna Flanders, Director of Instructional Technology and Innovation, MISTI
Marketing is continually improving to address changing customer expectations and demands. Many purchasing decisions are based on digital content, so enterprises must ensure their digital brand is appealing to today's consumer.

In this half-day workshop we will describe the challenges facing enterprises today and what assurance activities are needed to assess the reasonable effectiveness of the controls that safeguard today's digital presence.

In this workshop you will learn:
- What is a digital presence: Website; social media; email marketing; online advertising
- What artificial intelligence has to do with digital marketing—what AI can predict
- What is adware and what does it do
- How are marketing efforts influenced by current and changing privacy regulations

W3 The Cycle of Cybersecurity: Integrating Cyberdefense Into Your Risk Decision-Making Process
Tony Sager, SVP & Chief Evangelist, Center for Internet Security
Cybersecurity is often described as a technology challenge, or a threat sharing problem, or perhaps even as a training and awareness problem. It's all of these and more. At its heart, cyberdefense is a decision-making, risk-managing machine, fueled by information and designed to deal with real-life business questions. In this half-day workshop, we'll examine the critical role of auditors and others to both validate business decisions and to verify that the machinery of defense is operational and effective as part of a broader cycle of business activities.

- Making sense of the millions of attacks happening all the time, everywhere
- Optimize your investment in cyberdefense
- Navigate the emerging “multi-framework era” of security oversight, regulation, partnerships, and frameworks
- Recognize whether your cyberdefense program is making real progress, and maturing

**FRIDAY, JULY 19  8 CPEs**
7:45 AM – 3:15 PM

W4 Application Security: Vetting the Security of Web and Mobile Applications
Jerod Brennen, Security Architect, One Identity
As web and mobile application usage continues to increase among both corporations and consumers, organizations are urged to deploy applications quickly to remain competitive. Unfortunately, the security of these applications is not always given the attention it deserves.

This one-day workshop is designed to provide the knowledge and experience you need to enable an organization to securely develop, deploy, and monitor both web and mobile applications. We will cover all security integration points within the software development lifecycle (SDLC), including contract and project documentation, source code security reviews, security testing in QA, dynamic application security testing, application penetration testing, and application security monitoring.

W5 Simplified Vulnerability Scanning for IT Auditors HANDS-ON
Lee Neely, Senior Cyber Analyst, Lawrence Livermore National Laboratory
Vulnerability scans work by rapidly interrogating network ports and services to determine types and versions of those services and any obvious configuration issues. This determination is accomplished by comparing information or responses to databases of known vulnerabilities. During this interactive workshop you will learn:
- How to scan web servers for possible risks
- Recognize whether your cyberdefense program is making real progress, and will experience, three types of vulnerability scans work by rapidly interrogating network ports and services to determine types and versions of those services and any obvious configuration issues. This determination is accomplished by comparing information or responses to databases of known vulnerabilities. During this interactive workshop you will learn:
  - How to determine what potential risks exist for the running services
  - How to scan web servers for possible risks
  - What are the limitations of free tools versus commercial offerings

You will be provided the open source tools for, and will experience, three types of vulnerability scanning: Network scanning, credential scanning and web scanning.

**Technical Requirements:** A Mac or PC laptop with administrative permissions (iPads, tablets, etc will not work for this workshop).