100+ SPEAKERS I 100+ SESSIONS
8 WORKSHOPS I 1,500+ ATTENDEES
UP TO 39 CPE HOURS
IT AUDIT, ASSURANCE, CONTROL, GOVERNANCE AND SECURITY are changing at an accelerated pace. To keep up and anticipate what’s next, join your fellow information systems and business peers at ISACA®'s prestigious North America CACS 2019:

- Learn about the most current trends, tools and knowledge.
- Stimulate your creative and critical thinking.
- Find simple and innovative solutions for current and future challenges.
- Meet global experts and peers to build your professional network.

Gain fresh ideas and approaches while earning up to 39 CPE hours at a variety of workshops and breakout sessions. You will gain new knowledge and perspectives among the industry’s brightest and most highly respected minds the information systems profession’s leading annual conference—North America CACS, 13-15 May 2019 in Anaheim, California, USA.

North America CACS 2018 in Chicago was ISACA’s most attended conference ever! Join your colleagues in 2019 for more engagement and education than ever at this incredible 50th anniversary event!

Register today at www.isaca.org/NACACS19dmb

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OPENING KEYNOTE
Monday, 13 May | 8:00AM

GUY KAWASAKI
Silicon Valley-based author, speaker, entrepreneur, and evangelist

Guy Kawasaki is the chief evangelist of Canva, an online graphic design tool. He is a brand ambassador for Mercedes-Benz and an executive fellow of the Haas School of Business (UC Berkeley). He also serves on the board of directors of Cheeze, Inc. Previously, Guy was the chief evangelist of Apple and a trustee of the Wikimedia Foundation. He is also the author of The Art of the Start 2.0, The Art of Social Media, Enchantment, and nine other books. Kawasaki has a BA from Stanford University and an MBA from UCLA as well as an honorary doctorate from Babson College.
A week in the life of poetic voice Sekou Andrews, could find him keynoting at a leadership conference, helping a Fortune 500 company with brand messaging, or performing for Barack Obama in Oprah Winfrey’s backyard. This schoolteacher turned two-time national poetry slam champion has now become the world’s leading “Poetic Voice”—a new type of speaker and artist who seamlessly blends inspirational speaking with spoken word poetry, combining the value of a business keynote with the inspiration of a powerful performance. His last spoken word album, “Poetic License,” made him the most awarded artist in the nation’s largest independent music organization. As a fearless disruptor of the speaking industry, Sekou also gives rockstar secrets to public speakers through his unique Stage Might™ speaker training system, teaching influencers how to perform a speech to engage any audience. As a poetic voice, Sekou does more than inspire us with his story; he inspires us with our story.
Join the conference that is as relentless about adding knowledge as you are about gaining it. North America CACS 2019 offers 8 pre- and post-conference workshops and over 100 breakout sessions to ensure that you have as many options as possible to customize your learning to fit your role and goals.

Expert-led sessions focus on hot-topic issues and provide in-depth resources and guidance on proven practices to address emerging trends and fast-moving challenges. The fields of information systems audit, risk, governance and security have become increasingly visible and critical to overall corporate governance. As these topics become more complex across the global landscape, continuing education is imperative for all levels of IS/IT professionals. Many of the highly respected session presenters at North America CACS 2019 will use hands-on, interactive techniques to share their expertise and help you develop new skills and practical knowledge to benefit you, the team you work with or lead, and your enterprise.

Customize your conference experience—select the topics that interest you most from more than 100 sessions in 10 timely tracks.

The North America CACS 2019 Conference is the premier conference for audit/assurance, COBIT®, compliance, risk, security, and strategy/governance professionals. This year’s program will feature sessions on:

- **AUDIT**
- **SECURITY / CYBERSECURITY**
- **RISK MANAGEMENT**
- **DATA ANALYTICS & INFORMATION MANAGEMENT**
- **IT GOVERNANCE, COMPLIANCE & COBIT**
- **INCIDENT RESPONSE**
- **THIRD-PARTY RELATIONSHIPS**
- **LEADERSHIP DEVELOPMENT AND CAREER MANAGEMENT**
- **AUDIT INTEGRATION & COLLABORATION**
- **INDUSTRY TRENDS AND INSIGHTS**

**EARN UP TO 39 CPES!**

www.isaca.org/NACACS19dmb
TRACK 1: AUDIT

Identify risks. Uncover opportunities. Enhance value. That’s the remarkable mission that IS/IT audit and assurance professionals take on every day. You’ll return to your organization with new skills, concepts and practices to put to work immediately. Designed by and for professionals like you, this track uses case studies and real-world examples to enhance your abilities to audit and improve the systems and processes that power and protect the success of organizations worldwide.

SESSIONS INCLUDE:
- Performing IT Audits in the Era of Emojis, Memes & LOUs
- Understanding Covert Channels of Communication
- eDiscovery—Understanding Attorney Requests for Search & Preservation
- Incorporating Security Practices into Business Practices
- Auditing CSP's The Devil is in the Details
- Are Trust Stores Part of Your PKI Audit?
- Preparing for the Security Audit—is Your ERP Ready?
- Using Network Forensic Techniques to Detect Threats
- Designing Security Assessments for Building Automation Systems
- AWS for Auditors
- Emerging IT Audit Issues Panel

TRACK 2: SECURITY/CYBERSECURITY

As the intersection of internet security, network security, and application security, cybersecurity is on everyone’s radar. Are you concerned that your email server is vulnerable and the gateway to hacking your system? If so, enhance your understanding of the challenges surrounding these and other cybersecurity and security topics through this track. Additionally, this track demystifies security needed for artificial intelligence (AI) and IoT. Attendees will also enhance their security and cybersecurity awareness and skills by applying frameworks such as NIST and COBIT to their audits and to their cyber maturity assessments respectively.

SESSIONS INCLUDE:
- Understanding an Email Server and How to Review & Secure One
- Anatomy of a Nation-State Attack
- Is AI Becoming the Firewall of 2023? Finding the Just Right Use Cases for AI & ML
- Safeguarding Web Applications: A Different Perspective
- How to Operationalize Cybersecurity: Turning Policy into Action
- Cloud Insecurity: The Need for Stronger Identity Management
- Legacy to Greenfield—Migrating to a Zero Trust Model with Microsegmentation
- Identifying Critical Flaws in Hardened Active Directory Environments
- Physical Data Security
- We need to Ask Why?
- Applying Simple Questions to Strengthen Your Security Passwords
- Security and the Internet of Everything Panel

TRACK 3: RISK MANAGEMENT

Risk is not something to be feared, but it is something that must be managed—effectively. IT risk has impacts that ripple throughout the organization. Starting from a basic roadmap and guidelines, you can start telling the story of IT risk and its consequences. From there, some advanced and comprehensive approaches to IT risk come into play from technical, business and leadership perspectives. This track helps you uncover your own organization’s technology risks and formulate your specific approach to IT risk.

SESSIONS INCLUDE:
- What Senior Executives Want to see in Security KPI/Metrics
- Digital Risk Management: An Imperative for Auditors
- IT Risk Management Project Governance as a Strategic Imperative
- Providing Assurance over the Internet of Things
- Rethinking Identity Risk: Applying an Integrated Risk Management Approach to Identity Risk
- Cyber Insurance: You Thought You were Protected, But Are You?
- Blockchain & Cryptocurrency Emerging Regulations in the USA
- New Work Program for Assessing Machine Identity Risk
- Practical Threat Modeling
- Risk Management in a Disruptor Economy & Era
- The Dark Web: The Myths, Reality & The Risks

TRACK 4: DATA ANALYTICS & INFORMATION MANAGEMENT

The computing power available now to “slice and dice” data was the stuff of science fiction less than a generation ago. Today, it’s an essential part of an audit strategy. You’ll hear real-world examples of the role Big Data plays in our environment, learn best practices and get new ideas for how to use analytics in different ways for your organization.

SESSIONS INCLUDE:
- Securing Unstructured Data—What You Don’t Know Can & Will Hurt You
- Auditing Big Data Systems
- Operationalize Your Data Map: Getting the Most Out of Your Data Mapping Efforts
- Data Analytics—The Road to AI: Lessons Learned from Automation, Earning Releases & Risk Modeling
- What’s in Your Release? Analytics for DevSecOps
- Keeping Pace with Adoption of Disruptive Technologies & Auditing Their Risks
- Protect Your Data Against Insider Threats
- Building a Defensible Data Destruction Strategy for Structured & Unstructured Data
- Partner US Digital Risk Solutions Leader

Panel Discussion

SESSIONS INCLUDE:
- Performing IT Audits in the Era of Emoji’s, Memes & LOUs
- Understanding Covert Channels of Communication
- eDiscovery—Understanding Attorney Requests for Search & Preservation
- Incorporating Security Practices into Business Practices
- Auditing CSP’s The Devil is in the Details
- Are Trust Stores Part of Your PKI Audit?
- Preparing for the Security Audit—is Your ERP Ready?
- Using Network Forensic Techniques to Detect Threats
- Designing Security Assessments for Building Automation Systems
- AWS for Auditors
- Emerging IT Audit Issues Panel

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The sessions in IT Governance, Compliance & COBIT assist organizations’ efforts to ensure that organizational objectives are met. This enhanced assurance is possible as the direction and monitoring established through governance support organizations’ efforts to comply with external and internal requirements. This track also includes sessions on the new COBIT® 2019 and the changes it progresses from COBIT® 5.

SESSIONS INCLUDE:
- Resilient by Design: Hacking Your Way to Enterprise Compliance
- Chasing the Privacy Risk Monster Within Your Organization
- California Consumer Privacy Act 2018–Is it GDPR for California?
- What is Required in the HIPAA Risk Analysis?
- Data Sharing—Risks & Controls
- 10 Reasons Companies Fail PCI DSS Assessments
- Agile DevOps & Compliance
- Using PCI DSS to Comply with GDPR
- Bulletproof Your GRC Program
- Introducing COBIT® 2019

Expectations around the IT Audit function’s ability to provide assurance about existing technology as well as emerging technology, resource availability and specialization often create a need for co-sourcing or outsourcing. Sessions in this topic address the considerations and risks in managing co-sourced, out-sourced and supply chain relationships.

SESSIONS INCLUDE:
- SOC Reports: Reducing the Risk of Service Providers
- How Secure are Your Vendors? Third Party Risk Management in Information Security
- Trusting Cloud Services Providers Security: Understanding Your CSP’s Shared Responsibilities
- How to Ensure Vendor Compliance & the Mitigation of Third Party Risks
- Both Sides of the Coin: A Bilateral View of the Vendor Risk Management Process
- GDPR Article 28: Operationalizing Third & Fourth Party Vendor Risk Management
- Trust But Verify—Why Your Supply Chain is Weaker Than You Think
- Managing Cyber Risks in an Increasingly Outsourced World
- Improve Your Vendor Management with COBIT 5

Are you prepared to be hacked? Do you have a solid incident response plan? This track delves into methods you can employ to improve your incident response capabilities as well as practical tips and processes you can employ in the unfortunate, but all too likely, occurrence of a breach.

SESSIONS INCLUDE:
- Improving Organizational Investigations & Response Coordination with Playbooks
- Security Threats & Trends in 2019 & Impact on Threat Response
- Breached! Lessons from the Biggies
- Cyber Incident Response Planning
- How to Audit Incident Response Plans
- Part 1: When SIEM is not Your Friend
- Part 2: Extending your Incident Response Capabilities with Symantec
- Incident & Breach Management: Building a Harmonized Response Plan for Privacy & Security Teams
- Incident Response—Practical Survival Guide

Having great ideas and insights is not enough; you must effectively communicate those ideas throughout your organization. When you learn to do this, both your ideas and your career will flourish. This track offers practical advice and tips for IT leaders on how to build awareness and support for important audit, risk, governance and security issues that others may miss. Bolster your credibility and exposure with these proven methods and ideas.

SESSIONS INCLUDE:
- A New Rubric for IT Recruiting and Retention
- The Auditor of Tomorrow
- 39 Ways to Work with the Board
- Why Emotional Intelligence & Critical Thinking Skills are Essential
- The Journey to Become a CISO and Why They Don’t Run with Scissors
- CISO/ISO Roundtable—Open Discussions Where We Won’t Tell the Auditors
- Woman Leaders in Tech: Remarkable Journeys®

Panel Discussion
The need for ever-more rapid business innovation has given IT a permanent place within business as opposed to a separate, stand-alone role as a supporter of business. Given this trend, sessions in this track focus on assisting IT auditors as they integrate more with business lines and collaborate with IT departments to ensure better design and implementation of technology solutions within the enterprise. This track also covers the challenging communications issues that can arise between business, audit and technology stakeholders.

SESSIONS INCLUDE:
- Bridging the Gap Between Information Security & IT Audit
- Reduce Risk & Increase Productivity by Utilizing Cross Functional Collaboration
- Being Relevant: Aligning Your Security Program with the Business
- Communicating Your Cybersecurity Efforts to Stakeholders
- Strategies for Getting Audit Working Effectively with Security & Risk
- The Cultural Elephant in the Room

Join the discussions of what is coming next and how it will impact your role, your enterprise and the world we know. Collaborate in smaller groups and gain insights on a wide range of topics, some broad in scope and others pinpoint-focused. North America CACS 2019 is all about assurance, risk, security, privacy and more, so you can expect expert facilitators and lively interaction with your peers. Check our website closer to the event for the latest updates on what to expect and the insights you’ll gain.

At North America CACS, you’ll be among fellow peers and top professionals in business and information systems audit, control, risk, security, governance and beyond. Take advantage of the many opportunities to make connections and share knowledge during the various networking events and activities throughout the conference.

The Innovation Exchange is the conference’s hub for interaction and collaboration—don’t miss the chance to grow your network and enhance your knowledge with other professionals over snacks and refreshments. More information on additional social events and networking opportunities will soon be available—be sure to check the North America CACS website for updates!
DYNAMIC WORKSHOPS

To provide the most high-quality personal learning, seats are limited for workshops—register for your spot today!

Take your knowledge to the next level in these robust workshops and gain new ideas to apply to current and future challenges. Featuring essential, timely each workshop provides a focused and inviting learning environment in which to build your expertise and meet new colleagues.

PRE-CONFERENCE WORKSHOPS | 2 DAYS | EARN 14 CPES

Saturday, 11 May, 9:00AM – 5:00PM and Sunday, 12 May, 9:00AM – 5:00PM

WS1: CSX PENETRATION TESTING OVERVIEW*
Frank Downs, Director and SME, Cybersecurity Practice, ISACA
Dustin Brewer, Manager, Cybersecurity Technical Content, ISACA

The Cybersecurity Nexus™ (CSX) Penetration Testing Overview (CPTO) course provides students with an introductory understanding of penetration testing and ethical hacking. Enhance your skills as an auditor by working with real systems in real environments in this workshop. The systems used in the course will leverage real vulnerability analysis and exploitation tools in a live environment. Upon completion, students will understand the overall concepts guiding penetration testing from a practical, hands-on vantage point.

*Please note: To fully participate in this workshop, all attendees are required to bring a laptop with an Internet accessible browser.

WS2: COBIT® 2019 FOUNDATION COURSE
Mark Thomas, CGEIT, CRISC, President, Escoute, LLC.

Is your organization suffering from a lack of enterprise governance over information and technology (EGIT)? Or, is your organization lacking a holistic governance approach to information and technology (I&T)? At this workshop, you will learn the fundamentals of COBIT® 2019. It is ideal for those who are new to the discipline of I&T governance—either from a business perspective or from an IT perspective. COBIT® 2019 builds on 20+ years of critical thinking and practical experience of I&T governance. This workshop will prepare you to take the COBIT® 2019 Foundations Certificate examination.

After completing this workshop, you will be able to:

◆ Explain the key attributes of the COBIT framework
◆ Describe the components of a governance system
◆ Describe the elements of governance and management objectives
◆ Describe the COBIT design factors
◆ Explain the key points of making the case for a COBIT implementation project

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WS3: ISACA’S CYBERSECURITY AUDIT CERTIFICATE PROGRAM
Dr. Shannon McMurtrey, Assistant Professor, Management Information Systems, Drury University

It’s not just the high cost to an organization in the event of a breach, but the inevitability of an attack that makes cybersecurity critical. With the increasing number of cyberthreats, it is becoming critical for the audit plan in every organization to include cybersecurity. ISACA’s new Cybersecurity Audit Certificate Program provides audit/assurance professionals with the knowledge needed to excel in cybersecurity audits. It also provides security professionals with an understanding of the audit process, and IT risk professionals with an understanding of cyber-related risk and mitigating controls.

After this workshop, you will be able to:

- Identify cyber and legal regulatory requirements to aid in compliance assessments
- Perform cybersecurity and third-party risk assessments management including ISAC (Information Sharing), common cyber-attacks, penetration testing, and red team/blue team/purple team exercises
- Enhance your asset, configuration, change and patch management practices
- Assess network security from security architecture to traffic analysis to segmentation to data loss prevention
- Audit application security using SDLC controls and OWASP best practices

Registration for this workshop includes: (1) Cybersecurity Audit Certificate Onsite Training Course (2) Cybersecurity Audit Certificate Study Guide (eBook) and (3) Cybersecurity Audit Certificate Exam Voucher

WS4: CISA EXAM PREP COURSE
Jeff Roth, CISA, CGEIT, Regional Director, NCC Group

Starting in June 2019, ISACA will be testing to an updated CISA job practice and exam. To prepare comprehensively for this new exam, join fellow CISA exam candidates along with a CISA-certified trainer for a unique exam prep experience. The CISA Exam Prep Course is an intensive, cram-style course that will cover some of the more challenging topics from the CISA job practice. Drill through sample exam items, ask your most pressing questions and get the answers to build your confidence as you prepare for exam day.

After this workshop, you will be able to:

- Understand the specific requirements for passing the CISA Exam and attaining your certification.
- Utilize ISACA materials to prepare for and pass the CISA Exam.
- Understand and utilize successful methods of "how to" evaluate Exam questions and answers, including analysis and explanations.
- Put your study and exam time to the most effective use.
- Complete and review a mock exam, with every question and answer explained.

EARN UP TO 39 CPES! | www.isaca.org/NACACS19dmb
Auditors generally have a working knowledge of cybersecurity basics, but often lack the hands-on experience with cyber tools and skills. The Hands-on Technical Survey of Cybersecurity—A Primer for Auditors course provides students with an opportunity to use cyber tools and techniques in a real environment with real-life examples. Upon completion, students will have hands-on experience with network scanning, packet analysis, data integrity, web server backup, malware analysis and browser attacks.

*Please note: To fully participate in this workshop, all attendees are required to bring a laptop with an Internet accessible browser.*

When users think there will be consequences for non-compliance, they may try hide or disguise certain activities. But while not punitive in nature, audits still need to get at the truth so risk can be properly addressed. This session will provide hands-on experience with open source to answer some very common (but hard to verify) audit and compliance questions.

After this workshop, you will be able to:
- Understand the basic concepts and principles of digital forensics.
- Identify common types of audit and compliance questions that can be answered through forensic techniques.
- Deploy open source forensic tools to answer audit and compliance questions.
- Add forensic tools to your standard arsenal of audit and compliance techniques.
WS7: LAUNCHING AN IT AUDIT ANALYTICS PROGRAM
Christopher Sanders, CISA

As more and more organizations advance their use of analytics for customer profiling, engineering, and/or other purposes, many IT auditors are considering how they can use analytics for their own work. This session will explore analytics for IT General Control (ITGC) tests such as new user approvals, terminated user revocation, and change approvals, and discuss how these analytics can be used to automate and/or address risk at a greater scale.

After this workshop you will be able to:
- Understand potential applications/examples of analytics within IT audits, which can both automate existing tasks (RPA) and/or address risk at a greater scale.
- Quantify quick wins for analytics within your team based on the two key attributes for data analytics impact, which are: 1) task repetition, and 2) data structure/standardization.
- Optimize the analytics pilot and platform responsibilities between the Information Technology (IT) organization and your IT Audit team to deliver more efficient and sustainable outcomes.
- Expand your analytics program after successfully delivering your quick wins by prioritizing via principles and methods used when launching your program.

WS8: RISK MANAGEMENT & COMMUNICATION
Lisa Young, CISA, CISM, Vice President, Axio Global

Risk management is the identification, evaluation, and prioritization of risks supported by a system of coordinated application of resources to mitigate, monitor, and control the probability or impact of unfortunate events or to increase the likelihood of realizing opportunities. This workshop will cover processes to manage risks which consist of avoiding the threat, reducing the negative effect or probability of the threat, transferring all or part of the threat to another entity, and potentially retaining some of the actual consequences of threats, and the opportunities.

After this workshop you will be able to:
- Set the context for risk management.
- Understand Risk Taxonomy—a common language for describing risk.
- Understand how to use Risk Scenarios.
- Use Risk Impact Criteria to express risk in business impact terms.
- Quantify your Cyber and IT risk exposures using Impact Criteria.
WELCOME TO ANAHEIM!

Join fellow business and IS/IT professionals under the typically sun-lit skies of Anaheim, California. Explore the city beyond the conference including the dynamic Packing District and the Center Street Promenade, or take a trip to enjoy the magic of nearby Disneyland®. As 2019 is our 50th Anniversary Year, we are delighted that we can welcome you here to the same Golden State where ISACA first came into being in 1969.

Conference Venue
Anaheim Convention Center | 800 W Katella Avenue | Anaheim, CA 92802

SAVE ON YOUR STAY.
Maximize your savings by booking the official conference hotel when you attend North America CACS. The Anaheim Marriott is just steps from the Anaheim Convention Center and walking distance to Disneyland® in the heart of Anaheim’s Resort District. All pre- and post-conference workshops will take place at the Marriott. There are a limited number of rooms available at ISACA’s Group Room Rate and reservations will be handled on a first first-come, first-served basis. Book your stay today!

Conference Hotel
Anaheim Marriott | 700 West Convention Way, Anaheim, CA 92802
Phone: 714.750.8000

ISACA’s North America CACS Group Room Rate
US $195 + tax/fees per night, single/double occupancy*

Group Room Rate Deadline
Sunday, 21 April 2019

*Book your room today! Room rate shown is subject to appropriate state, local, and occupancy taxes. These taxes are currently 13% occupancy, 2% Anaheim Tourism Improvement District Assessment, and California State Tourism Fee of US $0.94 per room night occupied. All reservations made after the deadline or after the room block fills, are subject to space and rate availability. In order to guarantee hotel reservations, guests will be required to provide a credit card and will be charged a deposit equal to one-night stay plus taxes and fees. Cancellations with full refund will be allowed up until 72 hours prior to the arrival date of the reservation.

**Discounts available for conference attendees. Check the website for details.
MAXIMIZE YOUR SAVINGS BY REGISTERING TODAY

Conference Pricing

STANDARD REGISTRATION RATE*
Member.................................. US $1,745
Non-member................................US $1,945

ONSITE REGISTRATION RATE
Member.................................. US $1,945
Non-member................................US $2,145

Group Discounts
ISACA offers discounts to students, government employees, and organizations sending four or more employees to a single conference. Please contact ISACA’s Conference Department for more details at +1.847.660.5670 or https://support.isaca.org.

Your North America CACS 2019 conference and workshop fees include:
- Continental breakfast
- Lunches
- Morning and afternoon refreshment breaks
- Networking events
- Wireless Internet access in all meeting spaces
- Innovation Exchange
- Vendor Spotlight Education Sessions

Looking to save even more on North America CACS 2019?

Enjoy Member Discounts
If you are not already a member of ISACA, you can join and start taking advantage of the many valuable benefits today. As a member, you will save US $200 on registration for this conference, and save more on hundreds of other ISACA products. This offer expires 30 days after the completion of the conference. Don’t miss this opportunity. Visit the isaca.org website to become a member and join our community of 165,000+ professionals in 188 countries today!

All registration fees must be paid in full by midnight on the date that the discounts expire or regular registration rates will apply. See website for full details.

* Does not include conference workshops. If registration fees are paid after midnight CDT on 10 May 2019, onsite registration rates will apply. See website for full details.

All prices are quoted in US dollars. The entire registration fee must be received by ISACA before your registration will be considered paid in full.

Cancellation Deadline: 12 April 2019. Cancellation policy and other details can be found at www.isaca.org/NACACSmdb