18TH ANNUAL
IIA and ISACA Spring Training

March 27-29, 2017
Suburban Collection Showplace
Novi, MI
Welcome

If you are responsible for your company’s internal auditing, information systems security and integrity, accounting, finance, Sarbanes-Oxley compliance or other regulatory matters, or simply need continuing education, you will want to join us for the 18th annual Detroit Spring Training event.

The Detroit Chapters of the IIA and ISACA are proud to co-sponsor the annual Spring Training Event. Our goal is to provide a world-class training event tailored to your needs. Each year, the Spring Training Committee offers a comprehensive series of course offerings for our members and guests. The 2017 event is no exception.

A number of classes sell out each year so register early. Don’t miss this opportunity to network with your peers, enhance your skills, and learn about new products and services in the marketplace!

Class size is limited. To be fair and equitable to all, we operate on a first-come first-serve basis, and maintain a wait list for all sold out courses. Materials are only ordered for registered individuals Therefore, registrants are required to attend the course(s) for which they registered unless they receive prior written approval from the Spring Training Chairperson. Registrants attending unauthorized classes will not be awarded continuing education credits.

We look forward to seeing you at the Spring Training event!

--The 2017 Spring Training Committee

Juman Doleh-Alomary, Spring Training Chairperson
Janet Hutton
Richard Lowe
Jason Angelo Sist
Pamela L. Weipert

RETURNING THIS YEAR—VENDOR EXPO!

We have invited audit and assurance vendors to set up displays during the training event giving you an opportunity to learn about products and partners that are in the marketplace, and their associated benefits for your organization.

Contact Jason Sist at jason.sist@gmail.com for information on sponsorship opportunities.
Our 2017 Sponsors

PLATINUM VENDORS

Monday Lunch - Sponsorship Available
Tuesday Lunch - Sponsorship Available
Wednesday Lunch - Sponsorship Available

GOLD VENDORS

Special Thanks To Our 2016 Sponsors

PLATINUM VENDORS

Experis Finance

GOLD VENDORS

Orion Solutions Group
Accretive Solutions
Resources Global Professionals

KPMG
Plante Moran

Please Join Us for a Networking Social Event
Tuesday March 28, 2017 – 5:00 to 7:00 pm
Start time is directly after Tuesday’s Spring Training Sessions

Cost: IIA and ISACA Detroit Chapters will provide select subsidized drinks and appetizers

Lucky Strike
44325 Twelve Mile Road
Novi, Michigan
(p) 248-374-3420
## 2017 TRAINING PROGRAM

<table>
<thead>
<tr>
<th>TRACK</th>
<th>MON MARCH 27</th>
<th>TUES MARCH 28</th>
<th>WED MARCH 29</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Accounting Fraud; Deterrence, Detection &amp; Remediation (Paul Zikmund)</td>
<td>Auditing Ethics &amp; Compliance Programs &amp; Controls (Paul Zikmund)</td>
<td>Fraud Deterrence; Keys to Successful Mitigation of Fraud Risk (Paul Zikmund)</td>
</tr>
<tr>
<td>B</td>
<td>Facilitation Skills (Keith Levick)</td>
<td>Collaborative Negotiations (Keith Levick)</td>
<td>Performance Coaching (Keith Levick)</td>
</tr>
<tr>
<td>C</td>
<td>The 21 Irrefutable Laws of Leadership (Don Levonius)</td>
<td>Sometimes You Win, Sometimes You Learn (Don Levonius)</td>
<td>The 15 Invaluable Laws of Growth (Don Levonius)</td>
</tr>
<tr>
<td>E</td>
<td>Auditing Strategic Risks (Greg Duckert)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Successful Audit Data Analytics (Hands-On) (Jim Tarantino)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Internal Audit School (Hernan Murdock)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Project Management for Auditors (Kathleen Crawford)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Implementing COSO 2013: Real-World Applications &amp; Best Practices (Jim Roth)</td>
<td></td>
<td>Risk Management Assurance: Developing Your Internal Audit Strategy (Jim Roth)</td>
</tr>
<tr>
<td>J</td>
<td>CANCELLED Auditing IT Outsource Environment (Norm Kelson)</td>
<td>Auditing CyberSecurity Governance and Controls (Roger Herbst)</td>
<td></td>
</tr>
<tr>
<td>L-1</td>
<td>Auditor's Guide to CyberSecurity Vulnerability and Penetration Testing (Ken Cutler)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Seminar Focus and Features

Financial statement fraud involves intentional misstatements or omissions of financial statement amounts or disclosures to deceive users of the statements. This topic, commonly known as “cooking the books,” will introduce students to management's motives and pressures to achieve desired financial results as opposed to true economic financial results. This course will enable students to both understand and detect the creative accounting methods management employs to “cook the books,” along with related fraud prevention, detection and remediation strategies.

Topics Covered:

- Definition of Financial Statement Fraud
- Common Reasons for Financial Statement Fraud
- Red Flags of Fraudulent Financial Statements
- How Financial Statement Fraud is Committed
- Financial Statement Fraud Detection Techniques

Prerequisite: None

Learning Level: Basic

Field of Study: Auditing
Seminar Focus and Features

An organizational compliance program is an important mechanism to help ensure effective governance. Auditing and evaluating compliance programs and controls is critical to the success of any program and not performed only to keep the regulators happy. Compliance with regulatory requirements and the organization’s own policies is a critical component of effective risk management. A well-designed and effectively administered compliance program helps organizations achieve business goals, maintain ethical health, support long-term prosperity, and preserves and promote organizational values.

A well designed internal audit function plays an important role in evaluating the effectiveness and efficiency of the organization’s compliance program. In this session, attendees will learn the following:

- Hallmarks of an effective compliance program
- Auditing procedures for compliance programs
- Communicating findings to obtain best results
- Determination of key compliance risks
- Leveraging strategic partnerships to ensure success

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features

The reliance upon management and auditors to deter and detect fraud continues to increase. Guidance related to internal and external auditors places more emphasis on professional skepticism, use of forensic procedures, and fraud detection and prevention techniques. This course covers the practical side of fraud mitigation techniques. Attendees will learn the art of fraud deterrence and detection through lecture, case studies and in class discussion designed to facilitate critical thinking skills relating to fraud risk management. Attendees will develop an understanding of the following concepts:

- Elements of fraud
- Nature of why people commit fraud
- Holistic approach to fraud risk management
- Deterring and detecting asset misappropriation and financial fraud schemes
- Designing audit programs to detect red flags of fraud
- Fraud case studies
- Critical thinking exercises

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features
Efficient and effective group facilitation is an important part of leading teams developing critical business solutions. Facilitators help people communicate and work together through a structured, open framework. Participants gain an understanding of group dynamics, group process, and facilitator intervention strategies to maximize the group’s creative potential. This program is designed to equip managers, leaders, and/or trainers with a three-step facilitation process to enhance meeting productivity.

This course is based upon active learning, with rich, interactive exercises, case studies, and applied experiences.

Learning Objectives:
At the end of this course, participants will be able to:

- Identify the differences between a team leader, presenter, and facilitator
- Define the roles and responsibilities of a facilitator
- Apply a three (3) step facilitation process
- Recognize the power of group dynamics and group processes
- Identify strategies to deal with resistant people
- Identify blockers common to group communication and interaction

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features
Organizational efficiency and performance is enhanced through solid collaborative negotiation skills. Whether working with customers, or with internal staff, effective negotiation skills can improve communication, reduce conflict and drive business solutions. This program focuses on developing the ability to negotiate to “win-win” solutions through a collaborative approach. This course is based upon active learning, with rich, interactive exercises, case studies, and applied experiences.

Learning Objectives
At the end of this course, participants will be able to:

- Identify negotiation styles (personal and team)
- Recognize “negotiation busters” that can hinder the collaborative process
- Differentiate between wants and needs
- Recognize the importance of preparing for the “what-ifs”
- Create the mindset of a negotiator
- Recognize the elements of conflict in the negotiation process
- Apply a four (4) step collaborative model

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features

Performance coaching is one of the most powerful ways of developing people and adding to bottom line business performance. It also substantially affects morale and improves productivity in both individuals and teams. This program equips participants with the skills and resources necessary to create and maintain an effective enterprise-wide coaching program. This course is based upon active learning, with rich, interactive exercises and applied experiences.

Learning Objectives:

At the end of this course, participants will be able to:

- Differentiate between a judge and a coach
- Identify different types of coaching
- Recognize how preference styles affect the coaching relationship
- Create an environment for open, risk-free communication
- Promote and support the development of others
- Develop robust listening strategies
- Discover a Four Step Coaching process
- Demonstrate ways to become an empowering coach
- Lead associates to self-discovery
- Develop an action plan

Prerequisite: None

Learning Level: Basic

Field of Study: Auditing
Seminar Focus and Features
According to leadership guru John C. Maxwell, there are 21 foundational laws that form the starting point of leadership. Follow them, and you’ll gain influence. Violate them, and you’ll impair your ability to lead. Whatever your current level of authority or influence, increasing the number of laws you apply in your life will make you a better leader. In this seminar, which is based on the bestselling book by the same title, you will examine and experiment with 21 practical principles you can apply to become a more effective leader.

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features
Every leader faces setbacks, and those setbacks sometimes feel like losses. They are actually opportunities to learn valuable lessons. Learning is not easy during down times; it takes discipline to do the right thing when everything is wrong. As leadership expert John C. Maxwell often points out – experience isn't the best teacher; evaluated experience is. Using principles from the book by the same title, this seminar will enable you to explore lessons we must learn when we experience loss and examine the eleven elements that make up the DNA of those who learn. Doing so will prepare you to turn your next setback into a step forward.

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features

To be an effective next generation leader you must be committed to personal and professional development. And once you make that commitment you need tried and true principles to help you grow continually and realize your potential. This seminar includes such principles. For over 50 years, John C. Maxwell has been passionate about personal and professional development. Based on his book by the same title, this seminar includes lessons he gleaned about what it takes for leaders to reach their potential. Through probing questions, self-reflection, and solid examples, this seminar will help you prepare to grow individually and professionally in order to become next generation leaders.

**Prerequisite:** None

**Learning Level:** Basic

**Field of Study:** Auditing
Seminar Focus and Features

Key information security governance controls, including a risk-based approach to design, operation and assessment of security and controls are critical to ensuring that an organization’s information assets are adequately protected to prevent compromise.

This session will discuss a risk-based approach to assessment of security and control in the following areas:

- Configuration Management Controls
- Security Configuration Standards
- Build Processes
- Patch and Change Management Processes
- Security Event Monitoring
- Vulnerability Assessment & Management
- Security Compliance Processes

The approach to building risk profiles, key controls and assessment methodologies will be discussed and applied to the following technology environments:

- Virtualization Security-VMware ESXi; vSphere and Hyper-V
- Database Security-Oracle, SQL Server and DB2-LUW
- Network Security-Network Perimeter, Firewalls, Core Switches and Routers, NGFW

Prerequisite: None

Learning Level: Basic

Field of Study: Auditing
Seminar Focus and Features
This session will focus on the audit and security issues related to Cloud Computing environments.

Key Learning Objectives:

- Understand cloud architectures and security & control components
- Understand cloud service model
- Understand key risk and control issues with the different cloud deployment models

Topics to be covered include:

1. Cloud Computing Concepts
2. Cloud Service Models
3. Cloud Deployment Models
4. Security and Control Issues
5. Audit Tools & Techniques

Technical Concepts Included:

- Cloud Risk Assessment
- Cloud Governance Controls
- Cloud Operation Controls

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features

This seminar will focus on the risk and control issues related to cyber security and emerging information security and technology.

Key Learning Objectives:
- Understanding Cyber Security Risk and Control Issues
- Understand Emerging Risk Areas
- Discussion of Security and Audit Tools and Techniques

Specific topic areas include:
- Understanding Cyber Security
- Understanding Emerging Threats and Risks
- Risk & Control Areas
- Security and Audit Tools & Techniques

Prerequisite: None

Learning Level: Basic

Field of Study: Auditing
Seminar Focus and Features

This three-day seminar is designed for auditors who need to understand and identify the significant risks that strategic initiatives bring to the organization. Attendees will learn the key risks and known points of failure in the most prevalent strategic initiatives undertaken by organizations, including outsourcing, mergers and acquisitions, new systems design and acquisitions.

We will also investigate risks associated with claiming a presence on the internet and technologies such as cloud computing. You will discover how to audit to these key risks and how to ensure that they have been properly addressed throughout your strategic undertaking. We will cover the audit strategies that must be employed to assure that efforts yield the maximum return on the audit investment to an organization. Attendees will leave this high-impact seminar with an inventory of all of the key risks in these critical areas and with an audit strategy to address each one.

Prerequisite: None
Learning Level: Intermediate
Field of Study: Auditing
Seminar Focus and Features

In this three-day seminar attendees will learn everything needed about effectively integrating data analytics, or CAATs (Computer Assisted Audit Techniques), into an audit process. You will learn how technology can be used to more efficiently and effectively achieve desired results and brainstorm analytics across most major business cycles. You will learn how to progress from basic analytics into a fully automated/repetitive mode, and learn the basics of Continuous Auditing. We will review common hurdles and hear how the most successful organizations in the world have been able to exploit the power of data analysis to achieve visible and sustainable value.

Whether you are in audit management, directing a team where you may never personally use the technology, or the person who will ultimately be performing data analysis techniques, this seminar provides critical experience. Participants in audit management will learn how to design effective strategies and programs to ensure sustainable results. Those who will play a hands-on role with analytics programs will get the opportunity to work on real-world scenarios with sample data files. Each participant will practice designing effective tests and critiquing and QAing the work of others.

As the course progresses, you will move quickly from understanding basic analytic techniques such as stratifications, summarizations, and duplicate identification into more advanced techniques such as fuzzy matching, Benford’s Law, and statistical and regression analysis. You will explore cutting-edge topics such as visual analytics, risk score carding, and spatial analysis. Regardless of the tool you currently use or plan to use in your department - whether generic like MS Excel or MS Access, audit-centric like ACL or IDEA, or more IT-oriented like SQL or SAS - the standard pseudo-code used throughout the course will allow you to easily take what you have learned and quickly code it in your tool of choice. Participants are encouraged to bring a laptop to practice techniques on real data files using their tool of choice.

Prerequisite: Fundamentals of Internal Auditing, IT Auditing and Controls or equivalent experience

Learning Level: Intermediate

Field: Auditing
TRACK G - MONDAY-WEDNESDAY, MARCH 27-29
INTERNAL AUDIT SCHOOL
INSTRUCTOR: HERNAN MUDDOCK
22 CPEs

Seminar Focus and Features
In this intensive three-day seminar, attendees will master fundamental operational auditing techniques and learn how to use a risk-based approach to enhance your audits of the purchasing, marketing, human resources, information technology (IT), management, finance/treasury and accounting functions.

Participants will explore the objectives of major business operation areas and learn how to identify the key risks threatening them. You will find out how to make your audits more efficient and effective and how to use data analytics to gain an in-depth understanding of business processes. You will cover such critical areas as the impact of SOX, ERM and GRC on the organization, uncovering fraud schemes that threaten business operations, and the role of IA in helping management build strong risk management and strategic planning processes. You will leave this high-impact seminar with the skills necessary to go beyond outputs and to examine the organization’s ability to achieve the necessary outcomes.

What You Will Learn:
- Operational Auditing
- Components of Operational Audits
- Auditing the Purchasing Function
- Auditing the Marketing and Sales Function
- Auditing the Human Resources Function
- Auditing the Finance, Treasury and Accounting Functions
- Auditing IT
- Auditing the Management Function
- The Future of Operational Auditing

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features

An audit is a project that requires planning, time, resources and a very specific set of skills. Most auditors have the subject matter expertise to perform an audit, yet few understand what it truly takes to manage a successful project from start to finish, considering the business implications of the audit results. Project management is more than simply examining the books, and auditors can benefit greatly from applying project management techniques to complete projects on time and on budget.

In three intensive days, attendees will learn the basics of project management, including how to achieve improved cost control, resource utilization and timelier audit conclusions. Attendees will participate in hands-on exercises that teach how to apply these techniques to increase productivity in the internal audit process. Using audit-specific examples, you will learn project planning, scheduling, control, and decision support concepts and methodologies - the basics of project management. At the conclusion of the seminar, you will have gained the skills to better initiate, plan, execute, monitor and control, and close your audit, all while decreasing the time and costs required to perform the audit and increasing audit efficiency and quality.

Prerequisite: None
Learning Level: Intermediate
Field of Study: Auditing
TRACK I-1 - MONDAY-TUESDAY, MARCH 27-28
IMPLEMENTING COSO 2013: REAL-WORLD APPLICATIONS & BEST PRACTICES
INSTRUCTOR: JIM ROTH
15 CPEs

Seminar Focus and Features

What you will gain from this seminar.

- A clear understanding of the new framework, what is essential, what has changed and what has not
- Simple guidelines for scoping compliance with SOX or similar financial reporting regulations
- Practice applying the new framework to a case study company
- A preliminary assessment of your own organization

Highlight: Attendees will see what four leading organizations are doing to implement COSO 2013. These implementation practices examples are taken from an ongoing IIA research study conducted by the instructor, James Roth, to be published in spring or summer 2016.

Who Should Attend:

- CAEs, audit managers
- Experienced auditors
- Anyone involved in designing or evaluating internal control

Prerequisite: None
Learning Level: Basic
Field of Study: Auditing
Seminar Focus and Features

The IIA’s International Professional Practices Framework requires internal audit activities to “evaluate the effectiveness and contribute to the improvement of risk management processes.” For a variety of reasons, many internal audit groups have not carried out the assurance services needed to be in general conformance with the Standard (2100 – Risk Management).

Many audit committees have recognized the need to increase their oversight of strategic and other mission critical risks. The scope, frequency, and complexity of these major risk events are increasing. These major risk events have shaken financial markets and global economies, and raised serious questions about the effectiveness of many organizations’ risk management processes.

One key element to unlocking internal audit’s full potential to add value can be providing independent advice and objective assurance on risk management to audit committees and executive management. This course was created to help participants develop or validate their strategy for carrying out their risk management assurance and consulting responsibilities.

This course compares the major risk management frameworks that can be used in a risk management assessment. You will have an opportunity to examine the key principles and features in the frameworks. Case studies and small group activities will be used to apply the principles to real-world situations. During the course you will discuss internal audit assurance approaches/consulting activities and collect new ideas to improve your organization’s risk management process. At the end of the course, you will have an opportunity to develop or validate your internal audit group’s risk management assurance/consulting strategy.

Prerequisite: None

Learning Level: Intermediate

Field of Study: Auditing
Seminar Focus and Features

Most organizations have adopted some form of outsourcing. Whether it includes outsourcing IT operations, application maintenance, systems development, application services, information security, or networking, they all constitute outsourcing. The advent of the “cloud” has added another dimension to outsourcing.

The process and results are fraught with risks, but also have rewards. As an auditor, it is essential to understand how outsourcing affects the controls environment and the audit universe and how to apply it.

We will discuss the:

- Business of outsourcing
- Effect on the audit universe
- The principles of outsourcing – its benefits and limitations
- How to audit an outsourced environment

Who Should Attend:

- Internal audit professionals responsible for evaluating the controls and process during an outsource project and as current-state outsource operation
- Risk Professionals

Level: Intermediate

Prerequisites – Understanding of information systems general IT controls, project management processes, SSAE16, third-party reviews, and contract management.

Field of Study: Auditing
Seminar Focus and Features

Many important CyberSpace controls are related to the protection of valuable information assets and increasingly demanding regulatory compliance requirements. In this highly practical workshop, you will cover the essential background information, resources, tools, and techniques necessary to plan and launch a wide range of hard-hitting, cost effective CyberSecurity audits that should be performed by internal and external auditors, Information Security professionals, and IT staff. You will explore not only management and administrative controls, but also the fundamentals of important logical security controls for protecting valuable information assets and associated CyberSpace resources. You will receive a variety of invaluable checklists, matrices, and other worksheet tools.

Learning Objectives

- Gain familiarity with the major CyberSecurity drivers, including risk and regulatory compliance
- Classify and assess the significance of common and emerging threats to CyberSecurity
- Identify key CyberSecurity controls and how they affect the confidentiality, integrity, and availability of information assets
- Learn to view and assess CyberSecurity controls from an architectural perspective covering administrative, physical, and technical controls

Who Should Attend

- Audit Management, IT Auditors, Operational Auditors
- Information Security Managers
- Analysts
- IT Architects
- IT Management
- System Administrators
- Application Developers and Analysts
- Compliance Officers
- Consultants

Prerequisite: None

Learning Level: Intermediate

Field of Study: Auditing
Seminar Focus and Features

Fueled by a growing number of PII data breach laws, Payment Card Industry Data Security Standard (PCI DSS), and alarming frequency of Cyberdata leakage, cryptography is becoming a necessary safeguard in many applications. In this down-to-earth workshop, you will build on the basic cryptography knowledge required for a CISA and expand the playing field to systematically cover the use of cryptography as a major CyberSecurity safeguard for a variety of essential modern-day business applications. Highlighted will be a wide array of common CyberSecurity applications of encryption and key audit points covering “data at rest” as well as “data in motion” traveling over the Internet and other untrusted network connections. *We focus only on the practical, operational aspects of cryptography for CyberSecurity, NOT on the related complex mathematics and formulas.* Numerous diagrams, information worksheets, references, and checklists will be provided to equip auditors with the necessary tools and know-how to effectively assess the prudent and secure use of the often mystifying area of cryptography.

- Understanding the operation and use of cryptographic algorithms: symmetric, asymmetric, message digest/hashing, message authentication codes
- Identifying important security services provided by cryptography: data confidentiality, digital signatures, secure key exchange, authentication, data integrity
- Identify key control points and associated safeguards for Public Key Infrastructure (PKI)
- Learning how to audit practical applications of cryptography

**Prerequisite:** None

**Learning Level:** Basic

**Field:** Auditing
Seminar Focus and Features
Microsoft is a major player in both the CyberSpace infrastructure and application development arenas. In this practical, information packed seminar, you will learn a structured approach to securing and auditing Microsoft servers and networking infrastructure, including Active Directory, from end-to-end and from top to bottom. You will cover all key Windows server control points, as well as common CyberSecurity risks, safeguards, and audit procedures. Forests, domains, directory services, Group Policy Object (GPO) control audit points and associated CyberSecurity and CyberAudit procedures within the Microsoft Active Directory architecture will be analyzed and demonstrated. Key changes affecting CyberSecurity and audit in different versions of Windows servers will be highlighted. You will gain criteria for selecting and using best-of-breed bundled, freeware, and commercial CyberSecurity and CyberAudit tools. You will also focus on strengthening your organization’s ability to demonstrate due diligence by emphasizing and leveraging industry best practices for CyberSecurity and CyberAudit of Windows servers.

Bonus: You will receive a comprehensive "Windows Server and Active Directory Audit Data Collection Guide”

Who Should attend
- IT Auditors
- Information Security Managers, Analysts, and Architects
- IT Architects
- System Administrators
- Consultants

Prerequisite: A basic understanding of IT audit controls and terminology is assumed.
Learning Level: Advanced
Field: Auditing
Seminar Focus and Features

In this intensive practical course, you will learn the fundamentals of a structured methodology of how to detect, assess, and exploit numerous CyberSecurity vulnerabilities that stem from improper software configuration, software inconsistencies, and design flaws within an overall network infrastructure and distributed application environment. Working through a series of demos and case studies, you will examine the major steps in a progressive vulnerability and penetration testing methodology covering network discovery and enumeration, network vulnerability scanning, web application testing, and exploitation. You will discover all too common CyberSecurity blunders frequently made by vendors, administrators, and users for web and other TCP/IP applications. You will get proven tips on how to build a powerful, but economical CyberSecurity testing toolkit, using both freeware and commercial tool alternatives that will let you test for frequently exploited TCP/IP network and computing platform-specific security vulnerabilities. Approaches to effective layered reporting and corrective action prioritization will also be covered.

Who Should Attend

- IT Auditors
- Information Security Managers, Analysts, and Architects
- IT Management
- IT Architects
- System Administrators
- Network Engineers
- Consultants

Prerequisite: Familiarity with TCP/IP concepts terminology is assumed.

Learning Level: Advanced

Field: Auditing
KEN Newsletter, Standard ITSEC, US Federal Criteria, and Department of Defense (DOD) Information Assurance Certification

Kathleen M. Crawford

Kathleen Crawford is a Senior Consultant for MIS Training Institute (MISTI) and President of Crawford Consulting and Communications, LLC, a firm specializing in assurance, investigative, and advisory projects for small firms without an internal audit function.

Previously, Ms. Crawford was an Internal Auditor for Vinfen Corporation, where her responsibilities included assisting management in standardizing operations, developing policies and procedures, and improving processes. In addition, she investigated all suspected financial crimes, collecting evidence to ensure successful prosecution and recovery of company and client assets. Ms. Crawford trained other investigators in a methodology for detecting and documenting fraud that met the unique compliance requirements of MA Department of Health and Human Services. She began her career as a bank auditor, first with Bank of New England, then Eastern Bank, and State Street Bank. Her responsibilities in these institutions included internal audits and fraud investigations.

A member of The Institute of Internal Auditors, Ms. Crawford is a past President of the Greater Boston Chapter of The IIA. She is also a member of the Association of Certified Fraud Examiners and the American Society for Training and Development. Ms. Crawford serves as Treasurer of the Board of Trustees of the Foxborough Regional Charter School and its foundation, Friends of FRCS. Ms. Crawford has authored and teaches several Internal Auditing seminars for MISTI including: Organizational Development and Consulting for Auditors, Project Management for Auditors, Advanced Auditing for In-Charge Auditors, Root Cause Analysis, Interviewing Techniques for Effective Audits, and Effective Business Writing for Auditors.

Ken Cutler, CISSP, CISM, CISA

Ken Cutler, CISSP, CISM, CISA is a Senior Teaching Fellow with CPEi, specializing in Technical Audits of IT Security and related IT controls. He is the President and Principal Consultant for Ken Cutler & Associates (KCA) InfoSec Assurance, an independent consulting firm delivering a wide array of Information Security and IT Audit management and technical professional services. He is also the Director – Q/ISP (Qualified Information Security Professional) programs for Security University.

An internationally recognized consultant and trainer in the Information Security and IT audit fields, he is certified and has conducted courses for: Certified Information Systems Security Professional (CISSP), Certified Information Security Manager (CISM), Certified Information Systems Auditor (CISA) and CompTIA Security+. In cooperation with Security University, he recently was featured in two full length training videos on CISSP and Security+.

Ken was formerly Vice-President of Information Security for MIS Training Institute, Chief Information Officer of Moore McCormack Resources, a Fortune 500 company. He also directed company wide IS programs for American Express Travel Related Services, Martin Marietta Data Systems, and Midlantic Banks, Inc.

Ken has been a long-time active participant in international government and industry security standards initiatives, including: The President’s Commission on Critical Infrastructure Protection, Generally Accepted System Security Principles (GSSP), Information Technology Security Evaluation Criteria (ITSEC), US Federal Criteria, and Department of Defense (DOD) Information Assurance Certification Initiative.

He is a prolific author on information security topics. His publications include: Commercial International Security Requirements (CISR), a commercial alternative to military security standards for system security design criteria, NIST SP 800-41, "Guidelines on Firewalls and Firewall Policy", of which he was co-author, and various works on security architecture, disaster recovery planning, wireless security, vulnerability testing, firewalls, single sign-on, and the Payment Card Industry Data Security Standard (PCI DSS).

He has been frequently quoted in popular trade publications, including Computerworld, Information Security Magazine, Infoworld, Information Week, CIO Bulletin, and Healthcare Information Security Newsletter, and has been interviewed in radio programs My Technology Lawyer and Talk America.

Ken received his Bachelor of Science degree in Business Administration and Computer Science degree from SUNY Empire State College.
Greg Duckert, CPA, CIA, CISA, CMA Greg Duckert is the Founder of Virtual Governance Institute, a consulting firm specializing in data-centric enterprise risk assessment models and continuous audit/consulting platforms. Mr. Duckert is also a Senior Consultant for MIS Training Institute.

Actively engaged in internal auditing for more than 30 years, Mr. Duckert is a subject matter expert in risk assessment and specializes in using progressive audit tools and techniques in his audit/consulting engagements. Honing his expertise in the manufacturing, construction, and healthcare industries, he was Audit Executive for a Fortune 500 company where he founded an internal audit/consulting organization. He also served as Chief Audit Executive for two major organizations where his audit departments were responsible for financial, operational, IS/IT and regulatory areas.

Mr. Duckert was an adjunct professor at the college and university level, and he has developed and presented numerous audit and consulting seminars.

Roger Herbst, CISSP,CISA Roger is a senior fellow at CPE Interactive. He specializes in developing and managing Information Security programs, solutions, and technologies, with particular expertise in global manufacturing environments and the associated international legal issues.

Roger has over 40 years’ experience in information security, telecommunications, IT services, and has worked closely with internal audit organizations. As Director, IT Global Security at Aleris International, he created and managed their IT Security program, policies and procedures. In his 35 years at Timken, he developed and managed their corporate information security program, global telecommunications network, and multiple manufacturing management systems. His focus is reducing business risk through research, development, implementation and management of information security solutions, and consulting with business leaders to insure secure information management and application development.

Over the past 20 years, he has been a frequent speaker and instructor at information security symposia and conferences, including InfoSec World, where he also served on the conference advisory board for 8 years. He is a founding member and active participant in the CSO Xchange and Wisegate advisory services. Roger has BS in Physics from Mount Union College.

Norm Kelson, CPA, CISA, CGEIT President Norm Kelson, founder of CPE Interactive, specializes in building and disseminating best practices to assurance, risk, governance, and management stakeholders. With over 30 years of extensive experience in IT assurance and governance, he has served in a variety of capacities as a consultant with a Big 4 firm and an internal audit boutique, internal auditor executive, and industry advocate.

He is the author of over 30 IT Audit/Assurance Programs for ISACA which are available as a resource to its members, and a series of case studies to support ISACA’s IT Governance Using COBIT® and VAL IT™: Student Book 2nd Edition.

Norm was Managing Director of IT Audit and Technical Seminars for MIS Training Institute. During his 12 year tenure he was responsible for creation and curriculum development of its global IT Audit training portfolio focusing on best practices in risk-based auditing.

He has held positions as: Director of IT Audit for the US Subsidiary of Royal Ahold (Stop & Shop and Giant) and was a key member of the internal audit professional practices and standards and the global information security committees; Vice President of Internal Audit Services and National IT Audit Practice Director for CBIZ Harborview Partners; managed KPMG’s New England Region IT Auditing practice, and held positions in IT Audit management with Fannie Mae, CIGNA, and Loews Corporation. He began his career as a financial auditor with Laventhol and Horwath.

Norm is an Adjunct Professor at Bentley University and Northeastern University.

He is a frequent speaker and subject matter expert at ISACA and Institute of Internal Auditors (IIA) conferences, is a former Executive Vice President of the New England ISACA Chapter and served on the
Chapter’s Strategic Planning Committee.

Norm received a Bachelor of Science in Business Administration from Boston University and an MBA from the University of Pennsylvania Wharton School.

ABOUT THE INSTRUCTORS....

Keith Levick, Ph.D.  The CEO of Goren and Associates, Dr. Levick has over 25 years of experience in training, professional coaching, and consulting. As a psychologist, he has spent many of his clinical years in private practice. In 1987, he began to transfer his clinical expertise into the field of business management.

For the past 20 years Dr. Levick has coached managers and executives in a variety of industries in the area of personal and professional productivity, change management and interpersonal skills. He has coached many executives in their transition from the world of management into the world of leadership. He has developed many award winning leadership training programs and workshops that are being used by Fortune 500 organizations nationwide. Some of his clients include Chrysler, GM, Daimler, Monroe Bank & Trust, MGM Detroit Grand Casino, X-Ray Industries, and many other Fortune 500 companies.

As an executive coach, Dr. Levick is a firm believer in the value of coaching. “With high impact effective coaching, people are able to remove some of the blinders to see what is possible. Coaching can help executives and leaders to discover their core habits that are working and those that are not; only then can they reach their highest potential.”

Dr. Levick has written and lectured extensively in the area of the psychology of leadership. As a professional and key-note speaker, he lectures on a variety of business and health related issues around the country. Dr. Levick was a regular guest for 15 years on a local ABC-TV talk show, Kelly & Company. Currently, he serves as a local expert for a NBC and an ABC affiliate television station in the Detroit area.

Dr. Levick served on the Executive Board for the American Heart Association where he collaborated in the development of several health-related programs and continues to be a consultant. Dr. Levick is the founder of the Center for Childhood Weight Management, a unique pediatric obesity program. He is an Adjunct Professor at Lawrence Technological University and South University. Dr. Levick is also the author of two books and numerous professional articles; and is the Associate Publisher of a national magazine Customer Care News.

He received his Bachelor of Science (1973), Master of Social Work (1976), and Doctorate in Counseling (1992) from Wayne State University in Detroit. He currently lives with his family in Farmington Hills Michigan

Don Levonius, M.A.  Principal Consultant, Victory Performance Consulting LLC.  As a consultant, trainer, and national public speaker, Don Levonius draws on over 17 years of progressive leadership experience, including 13 years with The Disney Company and 4 years with the Institute of Internal Auditors. He taught organizational communication for the University of Central Florida, is a leadership development instructor with Valencia State College, and holds master’s degrees in human resource development and business & organizational security management. Don is also an author for the Association of Talent Development.

After years of leading security and investigations for major retail chains and Disney theme parks, Don was asked to help create and lead Disney Security Training Institute in an effort to help combat the
emerging threat of terrorism following the horrific attacks in 2001. Under his leadership, Disney security training was transformed to become an international benchmark for private and public sector security organizations.

Don was later promoted to lead operations and guest service training for 23 Walt Disney World Resort hotels (25,000 guest rooms), 200 retail and dining locations, and Disney Transport (monorails, watercraft, and buses). He subsequently became a senior leader of Disney University, the company’s corporate university.

In 2009, Don left Disney, founded Victory Performance Consulting (VPC), and began providing learning solutions for a number of organizations including General Electric, NBC Universal, the Florida Attorney General’s Office and The Institute of Internal Auditors (IIA). The IIA subsequently hired Don full-time to manage and direct development of its curriculum and learning strategies and delivery of over 200 leadership development seminars annually.

ABOUT THE INSTRUCTORS....

**Don Levonius Continued**


**Dr. Hernan Murdock, CIA, CRMA** Hernan Murdock is a Vice President, Audit Division for MIS Training Institute. Before joining MIS he was the Director of Training at Control Solutions International, where he oversaw the company’s training and employee development program. Prior to that, he was a Senior Project Manager leading audit and consulting projects for clients in the manufacturing, transportation, high tech, education, insurance and power generation industries. Dr. Murdock also worked at Arthur Andersen, Liberty Mutual and KeyCorp.

Dr. Murdock is a senior lecturer at Northeastern University where he teaches management, leadership and ethics. He is the author of 10 Key Techniques to Improve Team Productivity and Using Surveys in Internal Audits, both published by the IIA Research Foundation. He has also written articles and book chapters on whistleblowing programs, international auditing, mentoring programs, fraud, deception, corporate social responsibility, and behavioral profiling. He has conducted audits and consulting projects, delivered seminars and invited talks, and made numerous presentations at internal audit, academic and government functions in North America, Latin America, Europe and Africa.

**James Roth, PhD, CIA, CCSA, CRMA** is president of AuditTrends, LLC, a training firm devoted to identifying and communicating the best of current internal audit practice. Jim has 35 years of progressive internal audit and teaching experience. His publications include nine AuditTrends seminars, nine books and seven other major works for the IIA International. He wrote all of the IIA’s early research studies and training programs on COSO. His publications directly related to the two courses he will present are:

- Evaluating Internal Control: A COSO-Based Approach
- A COSO Implementation Guide
- Control Model Implementation: Best Practices
- Internal Audit’s Role in Corporate Governance: Sarbanes-Oxley Compliance
- Four Approaches to Enterprise Risk Management
- Best Practices: Evaluating the Corporate Culture
- Adding Value with COSO 2013: Beyond Sarbanes-Oxley Compliance (soon to be released)
In 2008 the IIA gave Jim the Bradford Cadmus Memorial Award, which was “established...to honor individuals making the greatest contribution to the advancement of the internal audit profession.”

Energetic and motivating, Jim is one of the highest rated speakers on internal auditing. For more information, visit www.audittrends.com.

**John G. Tannahill, CA, CISM, CGEIT, CRISC**  
John is an independent Information Security and Audit Services Consultant. His current consulting work areas are focused on information security in large information systems environments and networks, requiring detailed knowledge of the major operating systems encountered. Particular areas of technical security expertise include:

- Windows 2008/2012
- Unix (including Solaris, AIX & Linux)
- Oracle; Microsoft SQL Server & DB2
- Network and Firewall security

John is a frequent speaker in Canada, USA and Europe on the subject of Information Security. He is a member of the Institute of Chartered Accountants of Scotland.

**ABOUT THE INSTRUCTORS....**

**Jim Tarantino, CISA, CRISC, ACDA**  
A Senior Instructor for MIS Training Institute Jim Tarantino is the Client Solutions Director for High Water Advisors, a consulting firm specialized in helping organizations improve governance, risk management, compliance (GRC) and audit processes. He has over 15 years of information technology, analytics, audit and GRC experience with a recognized expertise in developing solutions to enable data-driven auditing, risk assessment, and investigations. Prior to joining High Water Advisors, Mr. Tarantino was a Solution Lead/Practice Manager for ACL Services, where he led the implementation of data analytic solutions for large public sector clients.

Mr. Tarantino has also held a number of GRC practitioner roles including Senior Auditor at RTI International and various management positions at Nortel Networks implementing a human capital analytics program. As a member of the IIA, ISACA and ACFE, he participates in local chapter activities, including serving as an instructor for CISA certification exam preparation seminars.

**Paul E. Zikmund**  
Serves as Deputy Chief Compliance Officer & VP Global Security for Bunge in White Plains, NY where he manages programs and controls designed to promote an organizational culture committed to integrity, ethical conduct, and compliance with the law. He manages and conducts investigations of compliance matters, fraud and ethics violations. Paul assists with the development and implementation of tools and techniques to mitigate enterprise fraud, security & compliance risk, manages the company’s third party risk management program, and administers compliance training and awareness programs.

Prior to joining Bunge, Paul worked as the Senior Director Forensic Audit at Tyco International in Princeton, NJ and the Director Litigation Support Services at Amper, Politziner, & Mattia, LLP, in Philadelphia, PA where he was responsible for developing, implementing, and administering fraud risk management services to Tyco and to clients. He possesses nearly 28 years of experience in this field and has effectively managed global compliance and forensic audit teams at various Fortune 500 companies.

Paul is a Certified Fraud Examiner, Certified Ethics and Compliance Management professional, and a Master Analyst in Financial Forensics. He received a Bachelor of Science degree in the Administration of Justice and a Certificate of Accountancy from The University of Pittsburgh. He continued his education with a Masters of Business Administration at the University of Connecticut, a Masters of Accountancy at Auburn University and a Masters of Business Ethics and Compliance at the New England College of Fi-
REGISTRATION INFORMATION

Space is limited so registration will be accepted on a first-come, first-serve basis. Pricing has been established to provide the maximum educational benefit for the lowest cost. Therefore, we do not offer discounts from the established prices for early registration, membership affiliation or groups. Dress code for the training is business casual.

Morning refreshments will be provided from 7:30 – 8:30 AM, and sessions will be from 8:30 AM – 4:30 PM each day. Lunch will be provided daily with vegetarian options.

Due to circumstances outside of our control, we may find it necessary to reschedule or cancel sessions, or change instructors. We will give registrants advance notice of such changes, if possible.

Payment and Cancellation Policy

Please note all times are stated in Eastern Standard Time (EST). All reservations must be made online at www.isaca-det.org or https://chapters.theiia.org/detroit. Telephone, fax, and mail-in registrations will not be accepted.

All payments must be received by midnight March 14, 2017. Payments may be made at the time of registration using Visa, MasterCard, Discover or American Express, or check payments may be mailed to the address listed below.

Cancellations may be made online until midnight on Tuesday March 14, 2017 without penalty. Any cancellation received after Tuesday midnight March 14, 2017, and before Monday midnight March 20, 2017 will be charged a non-refundable service fee based on the CPEs of the registered course being cancelled. No refunds will be given for registrations that are cancelled after midnight March 20, 2017.

<table>
<thead>
<tr>
<th>CPEs</th>
<th>Non-Refundable Service Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>$25</td>
</tr>
<tr>
<td>15</td>
<td>$50</td>
</tr>
<tr>
<td>22</td>
<td>$75</td>
</tr>
</tbody>
</table>

Payments (payable to: IIA Detroit) should be mailed to the address below. Please do not remit payments until the event date.

The Spring Training Committee has arranged for a discounted group rate of $129 per night at the Hyatt Place Hotel at the Suburban Collection Showplace. Individual attendees can make reservations for the event directly with the Hyatt Place by calling Suburban Collection Showplace reservations at 1-800-233-1234 and requesting Group code G-IADC.

Reservations may also be made by logging on to http://novi.place.hyatt.com. Once the arrival and departure date have been entered, click on special rates and then enter the Group Code G-IADC in the Group Code Box (make sure to include the G when entering the code) to receive the $129 per night rate.

All reservations must be accompanied by a first night room deposit, or guaranteed with a major credit card. The hotel will not hold any reservations unless secured by one of the above methods. Cancellations must be received a minimum of (72) hours prior to arrival for a full refund. Cancellations received less than (72) hours prior to arrival will forfeit one (1) night room and tax.
<table>
<thead>
<tr>
<th>Track</th>
<th>Session</th>
<th>Dates</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1</td>
<td>Accounting Fraud; Deterrence, Detection &amp; Remediation (7 CPEs)</td>
<td>3/27</td>
<td>$275</td>
</tr>
<tr>
<td>A-2</td>
<td>Auditing Ethics &amp; Compliance Programs &amp; Controls (7 CPEs)</td>
<td>3/28</td>
<td>$275</td>
</tr>
<tr>
<td>A-3</td>
<td>Fraud Deterrence; Keys to Successful Mitigation of Fraud Risk (7 CPEs)</td>
<td>3/29</td>
<td>$275</td>
</tr>
<tr>
<td>B-1</td>
<td>Facilitation Skills (7 CPEs)</td>
<td>3/27</td>
<td>$275</td>
</tr>
<tr>
<td>B-2</td>
<td>Collaborative Negotiations (7 CPEs)</td>
<td>3/28</td>
<td>$275</td>
</tr>
<tr>
<td>B-3</td>
<td>Performance Coaching (7 CPEs)</td>
<td>3/29</td>
<td>$275</td>
</tr>
<tr>
<td>C-1</td>
<td>The 21 Irrefutable Laws of Leadership (7 CPEs)</td>
<td>3/27</td>
<td>$275</td>
</tr>
<tr>
<td>C-2</td>
<td>Sometimes You Win, Sometimes You Learn (7 CPEs)</td>
<td>3/28</td>
<td>$275</td>
</tr>
<tr>
<td>C-3</td>
<td>The 15 Invaluable Laws of Growth (7 CPEs)</td>
<td>3/29</td>
<td>$275</td>
</tr>
<tr>
<td>D-1</td>
<td>Risk-Based Approach to IT Infrastructure Security &amp; Control Assessments (7 CPEs)</td>
<td>3/27</td>
<td>$275</td>
</tr>
<tr>
<td>D-2</td>
<td>Cloud Computing Security &amp; Audit (7 CPEs)</td>
<td>3/28</td>
<td>$275</td>
</tr>
<tr>
<td>D-3</td>
<td>Cyber Security and Emerging Risk Areas (7CPEs)</td>
<td>3/29</td>
<td>$275</td>
</tr>
<tr>
<td>E</td>
<td>Auditing Strategic Risks (22 CPEs)</td>
<td>3/27-3/29</td>
<td>$825</td>
</tr>
<tr>
<td>F</td>
<td>Successful Audit Data Analytics (Hands-on) (22 CPEs)</td>
<td>3/27-3/29</td>
<td>$825</td>
</tr>
<tr>
<td>G</td>
<td>Internal Audit School (22 CPEs)</td>
<td>3/27-3/29</td>
<td>$825</td>
</tr>
<tr>
<td>H</td>
<td>Project Management for Auditors (22 CPEs)</td>
<td>3/27-3/29</td>
<td>$825</td>
</tr>
<tr>
<td>I-2</td>
<td>Risk Management Assurance: Developing Your Internal Audit Strategy (7 CPEs)</td>
<td>3/29</td>
<td>$275</td>
</tr>
<tr>
<td>J-1</td>
<td>Auditing IT Outsource Environment (7 CPEs)</td>
<td>CANCELLED</td>
<td>$275</td>
</tr>
<tr>
<td>J-2</td>
<td>Auditing CyberSecurity Governance and Controls (15 CPEs)</td>
<td>3/28-3/29</td>
<td>$550</td>
</tr>
<tr>
<td>K-1</td>
<td>Understanding &amp; Auditing Cryptography for CyberSecurity Applications (7 CPEs)</td>
<td>3/27</td>
<td>$275</td>
</tr>
<tr>
<td>L-1</td>
<td>Auditor’s Guide to CyberSecurity Vulnerability &amp; Penetration Testing (7 CPEs)</td>
<td>3/27</td>
<td>$275</td>
</tr>
</tbody>
</table>
Spring Training Location

Suburban Collection Showplace
46100 Grand River Ave

From the West

Take I-96 East to Beck Road (exit #160), turn right and head south on Beck Road for 0.4 miles. Turn left onto Grand River Avenue and head east for .5 miles. Turn left into Suburban Collection Showplace. Park in the lot on the right as you enter the complex.

From the East

Take I-96 West to Novi Road (exit #162), turn left and head south on Novi Road. Follow Novi Road 0.4 miles to Grand River. Turn right and head west on Grand River 1.25 miles. Turn right into Suburban Collection Showplace. Park in the lot on the right as you enter the complex.