



## Information

ISACA Pittsburgh Chapter invites you to attend a one day program on **Monday, January 11, 2010**

## Location

Four Points Sheraton  
Pittsburgh North  
910 Sheraton Drive  
Mars, PA 16046  
(724) 776 – 6900

**Registration** – 7:30 a.m.

**Session** – 8:30 – 5:00

## Cost

ISACA Member - \$250

Non-Member - \$350

## Who Should Attend

This seminar is intended for IT auditors, integrated auditors and audit management.

## Program Duration

One Day - 8 CPEs

## Registration Deadline

January 6, 2010

## Contact Us

<http://www.isacapgh.org/>

## AUDITING IT: Identifying Exposures in Your Environment

This seminar is intended for auditors who now want to make the extra effort to ensure that the systems and databases hosting SOX-compliant applications are secure.

### Course Outline

- I) Understanding the Environment
  - Identifying the information risks in your Network
  - The general controls review
  - Physical security
  - Social engineering
  - The network scan
  - The initial testing and risk assessment
  - Determining the IT risk universe
  - Scoping the audits
- II) The Perimeter Audit
  - Identifying external connections to the network
  - Firewalls, IPS and IDS
  - VPNs, model pools, etc.
- III) The Network Audit
  - Securing and segmenting the network
  - Network device and appliance security
  - Monitoring network activity
  - Monitoring connectivity and pattern changes
  - Incident response procedures and techniques
- IV) The Windows Audit
  - Identifying poorly secured machines
  - Determining patch levels
  - Passwords, the Achilles' heel of Windows
  - Vulnerability testing
  - Security implementation, local and server
  - Audit implementation, local and server
  - Two factor authentication
  - Administration and maintenance
- V) The UNIX Audit
  - Using services to take control of a system
  - Known exploits
  - Trust relationships
  - File insecurity
  - Patch and change management
- VI) The Mainframe Audit
  - So you have RACF
  - Securing critical libraries and files
  - Critical attack areas and prevention techniques
  - Proactive security versus reactive security
  - Cross environment exposures
- VII) The Database Audit
  - Excessive rights
  - Backdoor accounts and default password
  - Poorly secured exports and backups
  - Role proliferation
  - Remote access
  - Operation and maintenance
- VIII) The Penetration Audit
  - The ultimate test of preparedness
  - Internet and e-business exposures
  - Rogue wireless access points
  - Undocumented dial-in access
  - Trading partner connections
  - The internal test
  - Vulnerability assessment and conclusion

### Presented by Arleigh Carpenter

Arleigh is a Technical Services Manager with Canaudit. Prior to joining Canaudit, Arleigh worked as a UNIX administrator in both consulting and permanent roles specializing in new system implementation, performance and security. He has also worked as an Infrastructure Manager for a medium sized bank. In this capacity he designed and implemented the security infrastructure and technology required to secure the bank's information assets. He wrote the security and standard operating procedures and implemented the necessary security across the network, servers and workstations within the infrastructure. Arleigh specializes in control and security of networks, UNIX, Novell and Windows. He has designed, built and implemented security on Sun and AIX machines, various firewalls and Cisco and Foundry network equipment. Arleigh earned a Bachelor of Science in Microbiology from the University of Maryland. Arleigh is a Sun Certified System and Network Administrator.



## January 11, 2010 Program Registration Form

Name \_\_\_\_\_ Company \_\_\_\_\_  
Address \_\_\_\_\_ City/State/Zip \_\_\_\_\_  
Phone Number \_\_\_\_\_ FAX \_\_\_\_\_ ISACA Member: YES NO  
E-Mail \_\_\_\_\_

### Program Fee

Members

\$250

Non-Members

\$350

**Please register with:**

*Donna Riggs  
Highmark, Inc.  
(412) 544-5069  
donna.riggs@highmark.com*

**Please make checks payable to  
ISACA-Pittsburgh Chapter.**

**Mail checks to:**

*ISACA Pittsburgh Chapter  
P.O. Box 544  
Pittsburgh, PA 15230*

### **Policies:**

Checks should be mailed in advance but will also be accepted at the conference registration table.

**No Master Card, VISA** or other charge cards accepted. Cancellations after January 6, 2010 will be subject to a 25% partial charge if a substitute attendee is not found. Please note, CPE's will not be awarded until full payment is received.

**Meals...** Continental Breakfast, mid-morning, mid-afternoon refreshments, and lunch are included in the seminar price.

**Seminar Attire...** Business Casual (No Jeans, Sweats, or Tennis Shoes, please!)

**Continuing Professional Education Credits...** 8 CPE credits awarded.

**For additional Information...** Please contact Ron Hudak at (412)234-4814 / ron.hudak@bnymellon.com

**Registration Deadline: January 6, 2010**

# Four Points Sheraton Pittsburgh North

910 Sheraton Drive

Mars, PA 16046

(724) 776-6900

Registration will begin at 7:30 a.m. on Monday, January 11, 2010. The session will begin at 8:30 a.m. and conclude at 5:00 p.m.

## Directions:

**From Pittsburgh and Points South** – Take I-279 North to I-79 North to Exit 76 (Old Exit 25 - Cranberry Exit). Go North on Rt. 19 to first stop light. Turn right onto Freeport Road (at Bob Evans Restaurant). Make first right onto Sheraton Drive.

**From Points East** – Take PA Turnpike to Exit 28 (Old Exit 3). Turn South on Route 19 toward Pittsburgh. At first light make left onto Freeport Road (at Bob Evans Restaurant). Make first right onto Sheraton Drive.

**From Erie and Points North** – Take I-79 South to Exit 78 (Old Exit 25) (Cranberry Exit). West (right) onto 228 to first traffic light that is Rt. 19. Turn left onto Rt. 19 South. At the second traffic light, turn left onto Freeport Road (at Bob Evans Restaurant). Proceed and make first right onto Sheraton Drive.

**From Pittsburgh International Airport** – Follow signs to Pittsburgh – Route 60 South. Stay on Route 60 South watching for I-79 North signs. Follow I-79 North to Exit 76 (Old Exit 25) (Cranberry Exit). Turn North on Route 19 to first stop light. Turn right onto Freeport Road (at Bob Evans Restaurant). Make first right onto Sheraton Drive.