



ISACA MEETING NOTICE

“Introduction to Digital Forensics”

Wednesday, November 18, 2009 8:00 AM – 12:00 PM

Presented by: Peter Morin, Bell Aliant

OVERVIEW

The state of our global economy has led to financial pressures that significantly increase the risk of fraud. Following the IIA's November 6th session on fraud, we continue the Association of Certified Fraud Examiners (ACFE) anti-fraud awareness campaign with a focus on computer forensics.

Completing a successful financial investigation may require legal evidence found in computers and digital storage media. If you have an interest in understanding the world of electronic investigations, this class is for you! This introductory course will introduce attendees to the basic concepts, tools and techniques of computer forensic investigation and analysis. The session is intended to provide an overview of processes and demonstrate techniques commonly used by computer forensic examiners.

OUTLINE

The presentation will review the basic techniques involved in gathering and analyzing digital evidence in fraud examinations as well as discuss proper procedures for seizing and securing digital evidence.

• Forensics – Law enforcement vs. private organizations	Understanding of forensic analysis in a non-law enforcement scenario
• Static vs. Volatile forensics	Overview of the differences between hard drive vs. memory/volatile forensics
• Investigation methods – Tying it all together	Crime scene search, evidence seizure, chain of custody, evidence preservation, U.S. law on acquisition, analysis and preservation, forensic reporting and court testimony, etc.
• Forensic imaging – Hard drives to live memory to cell phones and PDAs	Overview of bitstream imaging and verification of data – comparisons to other non-forensic methods.
• Forensic tools (commercial vs. open source)	Overview of the common forensic tools (i.e. FTK, Encase, Helix, etc) and comparison between commercial and open source)
• Introduction to the Windows File System	Overview of the Windows file-system (FAT, NTFS) and its common components (i.e. MBR, Sectors, clusters, fragmentation, slack space, etc.
• Forensic acquisition of encrypted volumes	An overview of how to deal with an encrypted volume

● Analysis of the Windows file system & Forensic timeline analysis	Analysis and forensic review of common Windows components (i.e. recycle bin, link files, data carving, deleted files, Metadata, Windows Registry, etc)
● E-Mail forensics	Overview of analysis of e-mail evidence (i.e. Outlook, Exchange, Thunderbird, etc)
● Internet Browser Forensics	Overview of analysis of browser evidence (i.e. Firefox, IE, history, cookies, cache, etc)
● Mobile Device Forensics	Overview of forensic analysis of mobile devices (i.e. cell phones, BlackBerry, PDA)
● Network Forensics	Overview of network forensics (i.e. use of network analysis tools)

WHO SHOULD ATTEND

- IT and Financial Auditors, Certified Fraud Examiners and other anti-fraud specialists seeking to improve their knowledge of technology issues relating to fraud
- Business professionals interested in the field of electronic fraud and information security
- Information technology and security professionals

CONTINUING PROFESSIONAL EDUCATION CREDITS

All attendees are eligible to receive up to 4 hours of continuing professional education (CPE) credits by attending.

ABOUT YOUR SPEAKER

Peter Morin, CISA, GFCFA, GCIH, CGEIT is a Senior IT Security Consultant with Bell Aliant Systems in Nova Scotia, Canada. Peter Morin is responsible for managing security planning, vulnerability assessments, security event management (SEM) and the company's Computer Security Incident Response Team (CSIRT). His position with Bell Aliant focuses on penetration testing, application code analysis, malware analysis, threat risk assessments and computer forensics.

Peter has over 14 years of in-depth information technology experience in the fields of enterprise computing and networking with an emphasis on IT security, IT corporate governance, business continuity and forensics. Prior to Bell Aliant, Peter was a Senior Manager with KPMG LLP and Ernst & Young LLP's IT Security & Forensic practices. Prior to that Peter held senior positions with such organizations as Core Networks, Photopoint.com, the Canadian and US Department of Defense, as well as iSTAR Internet.

Peter has acted as lead forensics investigator on many Canadian and US high profile cases, some currently before the courts. He has been involved in numerous criminal and civil cases related to the investigation of inappropriate activity including fraud, theft and patent infringement. He has previously been appointed as officer of the court and has been involved in the execution of numerous search and seizures and has provided expert witness testimonial in both provincial and federal courts.

Peter is a member of a range of security industry forums, including the Cyber Security Knowledge Transfer Network and the SANS Internet Storm Center. Peter is a frequent speaker on the subject of information security, penetration testing, malware analysis and forensics and has presented at numerous events held by the HTCIA, Computer Security Institute, Interop, SANS, and ISACA. Peter is the past president and current treasurer of the Atlantic Chapter of the High Tech Crime Investigation Association as well as vice president of the Nova Scotia Chapter of ISACA.

Registration Deadline – Monday, November 16, 2009

PLACE:

CPA Center

**845 Brook Street, Building #2
Rocky Hill, CT 06067
(860) 258-4800**

<http://www.cscpa.org/Content/CPACenter.aspx>

- From I-91, take Exit 23
- Go away from the Marriott towards Cromwell Avenue, also known as "The Shunpike."
- Go to the third traffic light and turn left onto Brook Street. The entrance to 845 Brook Street is the first driveway on your left; Building #2 is on the left side of the complex

COST: ISACA members - \$75.00

Non-members - \$100.00

(Includes continental breakfast)

Only Cash or Check is accepted at the door.

Please make checks payable to:

**ISACA - Greater Hartford Chapter
Old State House Station
P.O. Box 231344
Hartford, CT 06123-1344**

REGISTRATION:

To register, email - registration@isacaCT.org and provide your:

- 1) Name:**
- 2) Company:**
- 3) Phone number:**
- 4) ISACA member (provide membership #):**
- 5) Either receipt required at door (Y/N):
Or advance invoice requested (Y/N):**

NOTE: Advance Invoice request requires pre-approval, billing address and PO, if applicable.

EMAIL reservations will receive a confirmation within 24 hours. **Deadline for registration is Monday, November 16, 2009.**

NOTE: *We reserve the right to bill for reservations not cancelled 24 hours in advance of the event.*

7:45am – 8:10am : Registration & Breakfast

**8:15am – 12:00pm : Seminar
with 15 minute break**