

**Information Systems
Audit and Control
Association**

Chapter Website:
<http://www.isaca.toronto.on.ca>
International Website:
www.isaca.org

**TORONTO
CHAPTER
NEWSLETTER**

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Fall 2003

Volume 10, Issue 1

🏆 Silver Level Award – Chapter Website 2002

ISACA's mission is to support enterprise objectives through the development, provision and promotion of research, standards, competencies and practices for the effective governance, control and assurance of information, systems and technology.



President's Message

The summer has come and gone. If anyone indicates otherwise, don't believe them. Hopefully, all of us have had the ability to take some time off and recharge the batteries. Many of our new members have written the Certified Information Systems Auditor (CISA) examination this year. The total number of individuals writing the exam in Toronto was close to 150. Globally, more than 10,500 candidates registered for the 2003 CISA exam. The results for the exam are out as well. For those of you that have been successful, please accept my hearty **congratulations**. In speaking to a few individuals, I get a sense that the exam is getting more and more focused and hence more difficult. There is however, little doubt in my mind that the value of the CISA

designation has been significantly enhanced in the last few years. You only have to look at the CISA requirements on most job advertisements to get a sense of this!

All non-members (of ISACA) who passed the CISA exam will receive complimentary membership to ISACA for the rest of 2003.

This year was the first year the CISM (Certified Information Security Manager) exam was held. This designation is geared more toward experienced information security managers and those who have information security management responsibilities. We will provide a more detailed briefing on the exam in the following newsletters.

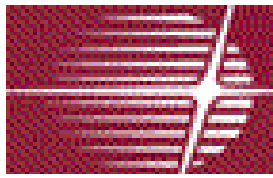
I hope each one of you has had the opportunity to visit the ISACA website. As a member, I am proud of the strides that have been achieved by ISACA in this regard. The ability to input Continuing Education hours, change personal information directly, have access to K-NET, access to COBIT, audit programs etc. are clear indications the

organization is intent on making the practitioners' life easier.

One of the new feature that will be introduced by ISACA will be COBIT Online. This is an all-new, fully interactive version of Control Objectives for Information and related Technology. It allows the user full browsing and searching capabilities, benchmarking functions, downloads, a discussion area and the capacity to customize and create the users' own version of COBIT. Customized downloads can be obtained as assessment forms, rich text Word documents or as an Access database. The system provides for several feedback mechanisms, enabling the knowledge base to evolve quickly after expert review of the comments provided. A variety of subscription levels, each allowing different amounts and types of access and functionality, will be offered once the site goes live.

Thanks for your attention

Raj Krishnamoorthy
President, Toronto Chapter



INTERNATIONAL NEWS

Compiled by Patricia Goh

2003 Conference Calendar

Mark your calendars now to attend these exciting events!

	Latin America CACS	IS Audit & Control Training Week	IS Audit & Control Training Week	IS Audit & Control Training Week	Network Security Conference
Dates	12-15 October 2003	20-24 October 2003	27-31 October 2003	10-14 November 2003	17-19 November 2003
Location	São Paulo, Brazil	Ottawa, Ontario, Canada	Orange County, California, USA	Manchester, UK	Milan, Italy
CPE Hours Available	26	38	38	38	25

For more information or to register, visit the ISACA web site for the conference or Training Week of your choice.

Latin America CACS Conference

12-16 October 2003, São Paulo, Brazil

Available tracks are:

- ✓ IT governance and the strategic issues that make IT an integral part of corporate governance
- ✓ Information systems auditing—Audit methodologies and techniques
- ✓ Information systems security—Information technologies, security systems, platforms and the proper execution of controls. This year’s keynote speaker will be Mauricio Ghetler, CIO, Grupo Banco Santos, in Brazil.

For more information or to register, please visit www.isaca.org/latin2003.

IS Audit & Control Training Week

20-24 October 2003; Ottawa, Ontario, Canada

Tracks include:

- ✓ Fundamentals and Practices of IT Auditing
- ✓ Managing Information Systems and Technology
- ✓ Database Security and Audit.

IS Audit & Control Training Week

27-31 October 2003, Orange County, California, USA

Tracks include:

- ✓ Fundamentals and Practices of IT Auditing
- ✓ Practical Methods to Perform

IT Audits

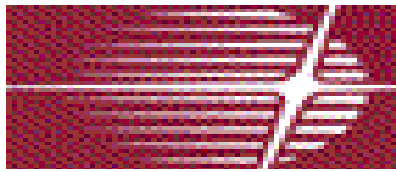
- ✓ Network Security, Audit and Control

IS Audit & Control Training Week

10-14 November 2003, Manchester, United Kingdom

Tracks include:

- ✓ Fundamentals and Practices of IT Auditing
- ✓ Auditing Internet Banking
- ✓ Conducting Cyber Response and Digital Forensics.



Research

Research Projects in Progress with Target Release Dates

- ☞ OS/390 (Z/OS) project—fourth quarter 2003
- ☞ Wireless communication project—fourth quarter 2003
- ☞ Security, Audit and Control Features—Oracle Application 11i—fourth quarter 2003
- ☞ Security and Risk Management in a PeopleSoft Environment—fourth quarter 2003
- ☞ Enterprise information integrity project—fourth quarter 2003.

Publications:

New IT Governance Implementation Guide

The new COBIT-related implementation publication, titled IT Governance Implementation Guide, is scheduled to be available in September. The objective of this guide is to provide readers with a methodology for implementing or improving IT governance using COBIT. It will support the reader's role whether it is management, compliance, risk, performance, security or assurance of IT.

The guide is supported by an electronic Implementation Tool Kit, containing a variety of resources, including planning, documenting and reporting templates—all the templates needed to support the activities identified in the implementation road map.

COBIT for Small to Medium-sized Enterprises

COBIT Quickstart™, a special version of Control Objectives for Information and related Technology (COBIT), is nearing completion. It is designed for small to medium-sized enterprises (SMEs) and companies wishing to implement a baseline internal control framework while researching a more comprehensive effort. For this project, SMEs are not defined according to financial or staffing measurements. Instead, the strategic nature of IT to the business is evaluated, a self-assessment form developed and exceptions reviewed. The project is expected to be available in the third quarter 2003.

Full version of COBIT 3rd Edition© can be ordered from the ISACA Bookstore at www.isaca.org/bookstore.

Standards Update

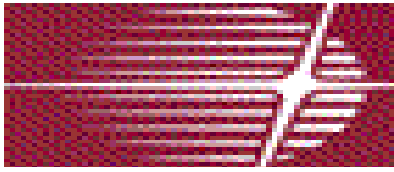
Standards Guidance

The ISACA Standards Board has undertaken an extensive review project to:

- ☞ Examine the robustness of existing IS Auditing Standards and Guidelines
- ☞ Revise, expand and add additional IS Auditing Standards and Guidelines to address areas not covered by the existing Standards and Guidelines
- ☞ Codify the revised IS Auditing Standards and Guidelines
- ☞ Address the role of COBIT in IS Auditing Standards and Guidelines

The current IS Auditing Standards are available on the ISACA web site, in 12 languages, at www.isaca.org/standards. A comprehensive standards PDF document containing all of the standards, guidelines and procedures is also available at www.isaca.org/standards.





Bookstore Sale

New offerings from the ISACA Bookstore include:

- ✓ Best Practices in Internet Commerce Security
- ✓ Computer Security Handbook 4th Edition
- ✓ Computer Security Incident Handling
- ✓ Customer Relationship Management: Integrating Marketing Strategy and Information Technology
- ✓ Defending the Digital Frontier: A Security Agenda
- ✓ Integrated Auditing of ERP Systems
- ✓ IT Project Management on Track from Start to Finish
- ✓ Securing Linux—Survival Guide for Linux Security
- ✓ The Art of Deception.

Complete descriptions of these books are available on the ISACA web site, www.isaca.org, in the Bookstore section. For more information or to place an order, please e-mail bookstore@isaca.org or call +1.847.253.1545, ext. 401. ■



News Briefs - 📰

Questions about reporting CPE hours?

Contact the certification department at +1.847.253.1545, ext. 471 or 474, or by e-mail at certification@isaca.org.

Journal Update

The Information Systems Control Journal is seeking articles for volume 1, 2004, to be issued in January 2004. The copy deadline is 15 October 2003, and the theme is Internal Controls. For more information, please view the 2004 editorial calendar at www.isaca.org/journal or e-mail jblader@isaca.org.

CISA/CISM Recognition and Member Networking Reception 🍷

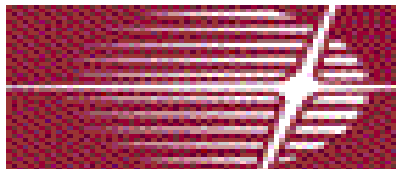
Please mark your calendars. **Thursday, October 9, 2003** is our annual CISA/CISM Recognition and Member Networking Reception.

This will be a great night to meet the new CISA/CISM graduates as well as network with our existing members. Perhaps you will be able to reacquaint yourself with some old colleagues or make some new acquaintances.

The session will be from 6:00PM to 8:30PM at the Toronto Board of Trade Offices, First Canadian Place, Adelaide Street entrance. The session is free to all members.

If you are planning to attend we do ask that you call and let us know that you plan to attend by October 6, 2003. This will help us ensure that we have enough food for everyone. Reservations can be made through our answering service by calling 416-410-2246 or by e-mail to geodav@primus.ca or include your reservation with your session registration.

We hope to see you there. Remember bring plenty of business cards.



Newsflash ✈

PwC/UW Centre for Information Systems Assurance win China IT audit project

WATERLOO, Ont. -- An international World Bank competition to develop an Information Technology (IT) audit training program for the National Accounting Institute (NAI) of the People's Republic of China has been awarded to a joint team of PricewaterhouseCoopers LLP (PwC) and the University of Waterloo Centre for Information Systems Assurance (UWCISA).

The "Computer Information Systems and the Role of the Auditor" project will develop a course for the NAI to enable them to provide education and training to partners and senior managers of auditing firms in China. A major focus of the project -- taking place between this September and next April -- is to develop participants' competencies in international standards and practices. UW Prof. Efrim Boritz, director of UWCISA, said: "The course modules are intended to cover the best-practice techniques that UWCISA and PwC have studied and worked jointly to perfect. We look forward to sharing our experiences with the NAI and their constituents."

"The training will provide senior practitioners with leading information and tools for their role as an auditor when dealing with computer information systems," said Robert Reimer, Canadian Global Risk Management Solutions partner at PwC. "By combining the strengths of PwC and UWCISA we have created a terrific learning opportunity for our peers in China," Reimer said. The course modules include:

- ✓ Overview of the role of the auditor with respect to computer information systems
- ✓ Impact of IT on the financial statement audit
- ✓ Reporting on the effectiveness of IT control procedures
- ✓ Criteria to be used in reporting on effectiveness of IT control procedures
- ✓ Reporting on the reliability of systems using SysTrust(R) and Computer-assisted audit techniques (CAATs)

About the University of Waterloo Centre for Information Systems Assurance

The Centre for Information Systems Assurance (<http://watarts.uwaterloo.ca/ACCT/uwcisa>) is sponsored by the School of Accountancy at the University of Waterloo, the Canadian Institute of Chartered Accountants and the Information Systems Audit and Control Association. Its objectives are to identify, create and deliver relevant research addressing information systems governance, control and assurance issues, to support and promote the development and delivery of educational activities and materials related to such issues and to support and promote interaction around these issues among practitioners, educators and students.

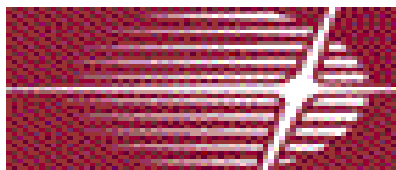
About PricewaterhouseCoopers

PricewaterhouseCoopers (www.pwc.com) is the world's largest professional services organization. Drawing on the knowledge and skills of more than 125,000 people in 142 countries, we build relationships by providing services based on quality and integrity. In Canada, PricewaterhouseCoopers LLP (www.pwc.com/ca) and its related entities have more than 4,400 partners and staff, and offices in 25 locations.

(Unless otherwise indicated, "PricewaterhouseCoopers" refers to PricewaterhouseCoopers LLP, Canada, an Ontario limited liability partnership. PricewaterhouseCoopers LLP, Canada, is a member firm of PricewaterhouseCoopers International Limited.)

About the University of Waterloo

Ranked No. 1 for best overall reputation in the annual university survey in Maclean's magazine, UW is an innovative institution that responds to the needs of society. With more than 22,000 undergraduate and graduate students, it was the first university in Canada to offer the co-operative system of study, balancing theoretical learning with practical experience in the workplace. UW was also the first university in the world to establish a faculty of mathematics and the first university in North America to make computers available to undergraduates. Today, UW is a research-intensive university, committed to discovering new knowledge and finding ways to use that knowledge for the benefit of society. For more information about UW, check www.uwaterloo.ca



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Contact: Prof. Efrim Boritz, accountancy, (519) 888-4567, ext. 5774; (416) 785-7250

From the Director of CISA / CISM Training

On behalf of the ISACA Toronto Chapter I am pleased to announce that our Greater Toronto Area professionals have achieved the following:

- ↳ 100% Pass Rate for the 2003 First Annual CISM Exam
- ↳ 77% Pass Rate for the 2003 CISA Exam

Congratulations our GTA Professionals who recently passed the 2003 CISM Exam!

CISM, the Certified Information Security Manager is ISACA's new certification and is specifically geared toward experienced information security professionals. CISM is business-oriented and focused on information risk management while addressing management, design and technical security issues at the conceptual level. It is for the individual who must maintain a view of the "big picture" by managing, designing, overseeing and assessing an enterprise's information security.

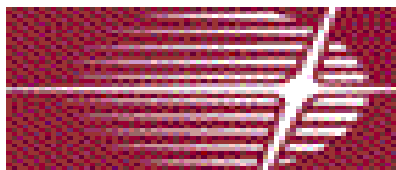
Please join me in congratulating Mr. David John Boki, CISA, CIA, FLMI, CISSP and two other individuals in their outstanding achievement! These other two successful candidates requested their exam results NOT be released and excludes individuals that have not paid their exam related fees or that have not signed the exam registration form.

Congratulations our GTA Professionals who recently passed the 2003 CISA Exam!

Being recognized as a CISA brings with it a great number of professional and organizational benefits. Successful achievement demonstrates and attests to an individual's information systems audit, control and security expertise and indicates a desire to serve an organization with distinction. This expertise is extremely valuable given the changing nature of information technology and the need to employ certified professionals who are able to apply the most effective information systems audit, control and security practices, and who have an awareness of the unique requirements particular to information technology environments. Those who become CISAs join other recognized professionals worldwide who have earned this highly sought after professional designation.

Please join me in congratulating the following GTA Professionals in their outstanding achievement!

Mr. Amit Agarwal	Mr. James William Baird, CISSP
Mr. Ian Alexieff	Mr. James Belesiotis, CA
Mr. Matthew Batterton, CA	Mr. Leo C. Bettencourt, CET
Mr. David John Bell, CGA	Mrs. Leila Bridgewater
Mr. Kosit Boonpatrawong	Mr. Michael Castro, CISSP
Dr. Carla Carnaghan	Mr. Rama V. Chandran, CISSP
Ms. Laura Catterick	Mr. Alec Cram
Mr. Quintin Kwen Yee Chu, CA	Ms. Kathryn Constantopoulos
Mr. R. Peter Cresswell	Mr. Maksym Degtyar, CISSP
Mr. Huan Huu Dang	Mr. Steven J. Dobkowicz
Mr. Raj Gopal Devadas, CGA	Mr. Brian Erdelyi
Mr. Cezar R. Drugescu, CISSP	Mr. Yuhuai Feng, CISSP, CCIE
Mrs. Deirdre Etienne, CA	Ms. Lorraine Gentleman
Ms. Sanja Berglez-Furdek, CISSP	Ms. Bernice T. M. Goff, PMP
Mr. Marco Gianvito	Ms. Katherine Jennie Hallett, CA
Mr. Nauzer Homi Gotla	Mr. Larry J. Hawkins
Mr. Wayne O. Harris, CISSP	Mr. Avinash Vasant Jagtap, CA
Miss Jennifer J. Hong	Mr. Daniel Thomas Jones, CA
Mrs. Milena Jelich, CISSP	Mr. Amar Joshi
Mr. Mac Jones, CISSP, MCSE	Mr. Dan Kathir
Mr. Luciano Kampmann de Araujo, MCSE	Mr. Jason Edward Kobus, CISSP
Mr. Richard Kitney	Mr. Sergiy Konopelnyuk
Mr. Ali Reza Kopae, CISSP	



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Mrs. Nancy Lise Lavoie	Mr. Colin K. Lee, MMPA, CPA
Mr. Philip Lo, CA, CISSP	Mr. Martin John Loeffler, CA
Mr. Bernardo Lopez, CPA	Mr. Nick Mackovski, CISSP, TICS
Mr. Faisal Malik, CISSP	Mr. Jamie Maltman
Ms. Mary Mandarello, CBM, FLMI	Ms. Karen J. McCreight
Mr. Craig Robert McGuffin, CA	Ms. Gina McKenzie
Mr. Roy K. Ng, CISSP, PMP, CET	Ms. Megumi Nishikawa
Mr. Theo Odartei, MSCE	Mr. Michael Adam Otto, CISSP
Mr. Philip James Pakrul	Mr. Robert Ross Paterson, MCSE
Ms. Janet S. Patterson	Mr. Richard Petri
Mr. Scott Donald Francis Price	Mr. Amar Priyadarshree, DMA, CA
Mr. Jagannadhan Ravi, CPA, CIA, CCP, CFE	Mr. Charles A. Reinhorn
Ms. Lucy I. Ricca	Ms. Ani G. Rock
Mrs. Carrie A. Salemi, CMA, ACS	Ms. Evelyn Felipe Santos, CPA
Mr. Ryan Shanks	Mr. Hung Fai Sit, FCA
Mrs. Wai Lan Sit, CFA	Mr. Allam N. Sleiman, CPA, CBM
Mr. Russell Smolsky	Mr. Sanjay Sood, CPA
Ms. Melanie Grace Steggles	Mr. Freddy Janto Sutjiawan
Mr. Daniel Richard Taillefer	Mr. Syed Amir Tirmizey, CA, CIA
Ms. Jennifer Elizabeth Tiviluk	Mr. Dimitri Vekris, CISM
Mrs. Seema Verma	Mr. Chunlei Wang, CISSP
Mr. Frederick Joseph Wendt	Mr. Andrew F. Weston
Mr. Chi Hung Wong	Damian Wong
Mr. Norbert Woo	Mr. Frederick Yorke
Mr. Brett R. Younge, CCNA, CCDA	Mr. Farhan Zamir, MCP
Mr. Tianshi Zhang, CISSP, MCSE	Mr. William Liang Zhao, CA
Miss Yiwen Zhu, CCNP	

Note: This list excludes individuals that requested their exam results NOT be released and excludes individuals that have not paid their exam related fees or that have not signed the exam registration form. There were a total of 115 successful CISA writers in 2003.

Top Three Scorers

We would like to provide special recognition to the following individuals in their outstanding achievement in being the top three scorers for the Toronto Chapter:

Mr. Craig Robert McGuffin, CA, Ranking No. 1 Mr. Mac Jones, CISSP, MCSE, Ranking No. 2
Mr. Scott Donald Francis Price, Ranking No. 3

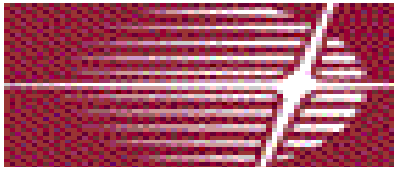
CISA 2004 Update

Over the past month or so, I have been receiving many phone calls and emails requesting information about the CISA exam and the qualification process in general. It is exciting to see so much continued interest in the CISA designation. I would like to take this opportunity to invite each of you who are contemplating writing the exam, or who have questions in general about the CISA designation, to an information session being held on January 16, 2004. The details are as follows:

CISA Information Session: The session is aimed at individuals who wish to obtain information about the CISA designation and the qualification process. The session will include topics such as registering for the CISA exam, the exam content, CISA exam preparation courses, key dates, etc.

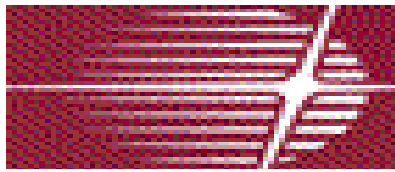
Date:	January 15, 2004, West	Location:	Deloitte & Touche, 79 Wellington Street
Time:	4:00 p.m. – 5:30 p.m.		P.O. Box 29 TD Center, Toronto M5K 1V9 Main Boardroom, 19 th Floor, Room 19-010

Registration is not required, however I would appreciate if you could RSVP by **January 9, 2004** to myself, Lisa Allen at (416) 601-6441 or liallen@deloitte.ca.



ISACA
TORONTO CHAPTER
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I look forward to serving as your Director of CISA Training. Please feel free to contact me directly with any specific questions you may have. I will be more than happy to answer them. Keep an eye on the ISACA Toronto Chapter website as I will be regularly updating the site with information on our CISA Preparation Course and other frequently asked questions. Additional information about the CISA exam can also be found on the ISACA International website.



Toronto Chapter Activities

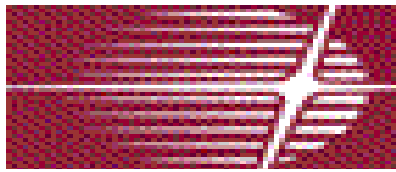
2003/2004 CONTINUING PROFESSIONAL EDUCATION SERIES SCHEDULE

2003	CISA Hrs	Time	Session	Speaker	Page
Oct 9	3.5	8:30am – 12:00pm	Sarbanes-Oxley and Bill 198 – Implications for Information Technology Audit and Governance	D. Wilkinson C. Czajczyc	10
	3.5	1:00pm – 5:00pm	Privacy	D. Sheehy R. Parker	11
		6:00pm – 8:30pm	CISA Recognition & Member Appreciation Reception		
Nov 13	7.0	8:30am – 5:00pm	Hacker Systems	K. Olsen	12
Nov 18 – 19	14	9:00am – 5:00pm	Auditing IT: A Risk Management Approach Using COBIT ***	H. DuBois	13
Dec 2 – 3	14	9:00am – 5:00pm	Introduction To TCP/IP ***	J. Tannahill	14
Dec 4	3.5	8:30am - 12:00pm	Information Technology Performance Assessment	R. Parker B. Rajamani	15
	3.5	1:00pm - 5:00pm	Infrastructure Risk Management and Auditing	B. Rajamani	17
2004					
Jan 15	7.0	8:30am – 5:00pm	Managing Windows 2000 Active Directory	B. Lewis	18
Feb 12	3.5	8:30am - 12:00pm	DB2 Security And Audit	M. Hubel	19
	2.0	1:00pm - 3:00pm	Inside Outsourcing	B. Pearson	20
	1.5	3:15pm – 5:00pm	Auditing of Service Level Agreements	S. Agarwal	21
Feb 23 – 25	21	9:00am – 5:00pm	Network Penetration – Core Skills for Auditors ****	B. Lewis C. McGuffin J. Tannahill	22
March 2 –3	14	9:00am - 5:00pm	Essentials of SAP R/3 Security ***	A. Chung	23
March 18	3.5	8:30am - 12:00pm	In’s and Out’s of Firewall Security	G. Schultz	24
	3.5	1:00pm - 5:00pm	Incident Response Management	G. Schultz	24
April 15	7.0	8:30am - 5:00pm	Fraud Theory and Anti-Fraud Practice	J. Weigensberg	25
May 13	3.5	8:30am – 12:00pm	Security For Internet Purchase Transactions **	G. Jameson Z. Fuerstenberg	26
	3.5	1:00pm – 5:00pm	WWW Hacking – Web Application Forensics	V. Bonic	27
June 10	3.5	8:30am – 12:00pm	Auditing Outsourced Application Management Environments	J. Heaton	28
	3.5	1:00pm – 5:00pm	VPN Hacking Assessment	A. Scott	29
	-	5:00pm – 6:00pm	Annual General Meeting	-	

Legend

- ** ISACA & IIA Joint session
- *** Multi-day session
- **** Presented in cooperation with the 50 Mission Security Consortium

Course Location: Board of Trade, First Canadian Place, corner of King & Bay, Toronto.



2003/2004 CONTINUING PROFESSIONAL EDUCATION SERIES – ISACA SESSIONS

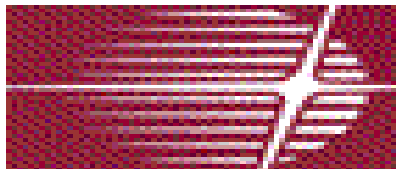
Session	Members	Non-Members
All Day (9:00am – 5:00 pm)	\$160	\$200
Morning (8:30 am – 12:00 pm)	\$80	\$100
Afternoon (1:00 pm – 5:00 pm)		

GST included. GST registration number: R123951709

ISACA MULTI-DAY – REGISTRATION FORM

Course Date	Registration Deadline	Session	Member Cost	Non-Member
Oct 7 & 8, 2003	Sept 23, 2003	Information Systems Audit – Core Skills and Fundamentals	\$600	\$650
Nov 17 & 18, 2003	Nov 4, 2003	Auditing IT: A Risk Management Approach Using COBIT	\$600	\$650
Dec 2 & 3, 2003	Nov 18, 2003	Introduction to TCP/IP	\$600	\$650
Feb 23 – 25, 2004	Feb 9, 2004	Network Penetration – Core Skills for Auditors	\$1395	\$1495
Mar 2 & 3, 2004	Feb 17, 2004	Essentials of SAP R/3 Security	\$600	\$650

All amounts shown are in Canadian Dollars and include GST. GST Registration Number R123951709.



REGISTRATION FORM

SESSION NAME _____

DATE _____

Name & Email address	Company	Telephone	Member (Y/N)	AM/PM Day/Multi	CISA (Y/N)

WAYS TO REGISTER

Email George Davis at gdavis@infinity.net or On-line form www.isaca.toronto.on.ca

Call: (416) 410-2246 or Fax: (705) 487 - 1548

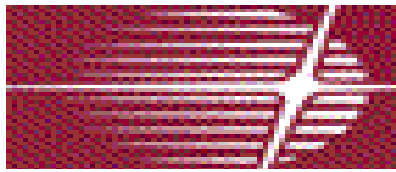
Make cheques payable to ISACA - Toronto Chapter. Charge cards will NOT be accepted.

To avoid disappointment and to assist us with logistics, please register at least 2 days before the session.

NEED UP-TO-DATE INFORMATION?

Check www.isaca.toronto.on.ca or Call (416) 410-2246

Remember to check the session location before attending since venues can change due to availability.



**SARBANES OXLEY AND BILL 198 – IMPLICATIONS FOR INFORMATION
TECHNOLOGY AUDIT AND GOVERNANCE**

Thursday, October, 9th 2003

8:30am to 12:00pm

3.5 CISA Hours

On July 31, 2002, United States President George Bush signed the Sarbanes-Oxley Act of 2002, an act to “protect investors by improving the accuracy and reliability of corporate disclosures made pursuant to the securities laws, and for other purposes.” The Act was intended to restore investor trust in corporate executives and financial information, while boosting confidence in the independence of financial analysts and auditors.

Sections of the Act require organizations to design and implement disclosure controls and procedures and associated quarterly management certifications (section 303) and financial reporting controls (section 404) and associated annual management assertion and independent auditor attestation.

Recently the SEC announced a postponement of the deadline for compliance with the above requirements to fiscal years ending after June 2004, giving SEC registrants a few more months to complete its compliance readiness activities.

On December 9, 2002, Bill 198 was passed. On June 27th the OSC released their first set of rules as they pertain to Bill 198 and CEO/CFO certification of internal controls. These rules require issuers to devise and maintain systems for internal controls and disclosure controls and procedures, as well as rules requiring certifications from CEOs and CFOs with respect to financial statements, controls and procedures.

Both Sarbanes-Oxley and Bill 198 will have a significant impact on entities that are SEC registrants and Canadian public companies who might be required to comply with a similar act in Canada.

There are several key challenges organizations have in complying with these new regulatory matters.

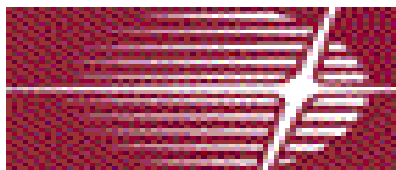
Attending this session will help you:

- ✓ Gain a high level understanding of the two pieces of legislation and their similarities and differences
- ✓ Understand the overall phases an organization need to go through to assess readiness and become compliant
- ✓ Understand control frameworks and tools that might be required in the process
- ✓ Understand the role of IT and the IT Audit function and IT Auditors in the process

SPEAKER PROFILE

Doug Wilkinson is a Partner in the Toronto Office of Deloitte & Touche and is Deloitte’s National Leader for Control Assurance practice within Enterprise Risk Services. Doug has over 12 years of experience in providing internal audit, third party reporting and information technology and process auditing services to the provincial government and local government, including municipalities, public utilities and boards of education, among other private sector clients.

Chris Czajczyc is a Manager in the Toronto Office of Deloitte & Touche’s Control Assurance practice within Enterprise Risk Services specializing on process and system risk management, financial and information technology audits, third party reporting and regulatory compliance as well as governance over outsourced processes. Recently Chris has been focusing on Sarbanes Oxley related engagements helping his clients anticipate and address the internal control certification requirements.



PRIVACY

Thursday, October 9th 2003

1:00PM - 5:00pm

3.5 CISA Hours

A rapidly growing concern on the part of individuals about their privacy rights, and the enormous media coverage that has accompanied it, is impacting individuals' expectations of organizations regarding how they collect, use and disclose personal information. Recent Canadian Federal legislation (the Personal Information Protection and Electronic Documents Act, "PIPEDA") obligates all Canadian organizations carrying on commercial activities to meet a set of strict privacy standards for the collection, use and disclosure of personal information, by January 1, 2004, at the very latest.

Complying with these standards is not only the law, it is just good business. This session will not only examine the privacy issues facing organizations but will describe what organizations can do to demonstrate to outside parties they deal with, that privacy is being addressed. The presentation will focus on the online Privacy seal and the recently exposed privacy framework co-developed developed by CICA and AICPA and the accompanying methodology.

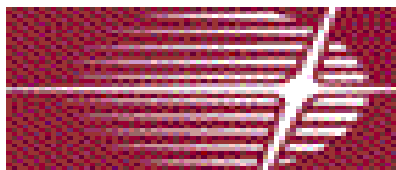
SPEAKER PROFILE

Robert Parker is a Partner in Deloitte & Touche (D&T), Toronto, where he is responsible for its Information Privacy practice. He was involved in IT, computer security and control since the late 1960's. He authored a number of articles and books, including four books on Year 2000, and was the Project Director on the September 1998 version of the CICA publication *Information Technology Control Guidelines* that provides guidance to technology professionals. He served on ISACA's International Board of Directors and the Board of the Information Technology Governance Institute. He is also active on ISACA's Research Board, Journal Editorial Board and is Liaison to the CICA's Specialization Committee. Robert represented the CICA on an ISO personal information privacy committee from 1995 to 1998. He is currently assisting clients to assess their readiness and future strategy to deal with Canada's new Personal Information Protection (and Electronic Documents) Act. He was a member of the International Federation of Accountants (IFAC) subcommittee that developed its Guideline of Personal Information Privacy. He also developed the Canadian Bankers Association's (CBA) e-Business presentation that is presented across Canada and completed a 1½ hour video presentation on e-Business Readiness for the Canadian Chamber of Commerce.

Don Sheehy recently joined Deloitte & Touche as a Senior Manager in Enterprise Risk Services where he specializes in privacy and third-party controls assurance. Prior to joining the Firm, he was a Senior Manager leading Grant Thornton, LLP E-Commerce Assurance, where he was significantly involved in the development of that firm's Electronic Commerce Assurance and Systems Reliability Services practices in North America, with particular emphasis on Internet-based commerce. This role extended to both business-to-consumer and business-to-business based security and control assessment and assurance as well as special assessments on compliance with privacy laws governing private information.

Don is a member of the joint CICA/AICPA Trust Services Task Force that developed the recently released Trust Services Principles and Criteria that are designed to be globally used frameworks for evaluation of e-commerce and other technology systems. He was a member of both predecessor committees that developed the WebTrust and Systems Reliability Principles and Criteria, the former since its inception in 1997, and chaired a number of its sub-task force working groups.

Previously, Don was a senior manager at CICA, with responsibility for assessing the ongoing impact of technology on assurance standards, identifying areas where guidance was needed on specific technology



issues and acting as primary researcher/coordinator for the production of such guidance. Specifically, he was recently involved in developing assurance guidance on EDI, EDM, Systems Reliability Assurance, Electronic Filing of Information as well as staff liaison on IT Control Guidelines. Don also had overall CICA responsibility for assessment and guidance with respect to the impact of Year 2000 on the CA profession in Canada and was project consultant for 1999 CICA/ISACA Guide on *Contingency Planning for the Year 2000*.

HACKER SYSTEMS

Thursday, November 13th, 2003

8:30am - 5:00pm

7 CISA Hours

In order to protect your site, you must understand what you are up against. Without a detailed understanding of how hackers work and break into systems, a company will never be able to build proper defenses. This session will demonstrate the most threatening types of attacks that are being run and how they work.

The goal of a hacker is to identify the five major weaknesses, such as:

- ☞ Unauthenticated connections,
- ☞ Inbound flows of data ,
- ☞ Complex software,
- ☞ Unauthenticated data,
- ☞ Software running as superuser;

all of which, typically lead to major security breaches.

Highlights include a detailed analysis of deadly buffer overflows and Java/ActiveX based attacks that have crippled Microsoft and the Pentagon.

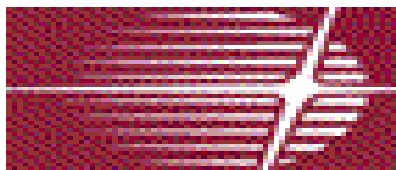
Because most of the demonstrated attacks are not stopped by either firewalls or many intrusion detection systems, the audience is left with an understanding of why technical countermeasures are self-defeating and why policy and procedures are a basic requirement of any strong security program.

Demos include:

<ul style="list-style-type: none"> ✓ Searching for vulnerabilities ✓ Port scanning ✓ IP spoofing ✓ User spoofing ✓ E-mail spoofing ✓ L0phtcrack 	<ul style="list-style-type: none"> ✓ DDOSPassword exploits ✓ Sendmail exploit ✓ Buffer overflows ✓ CGI exploits ✓ War dialing / War Driving ✓ Social engineering techniques
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SPEAKER PROFILE

Keith Olsen is the Senior Instructor/Engineer of IST, Inc., a Winnipeg recognized information security and training firm. Before joining IST, Keith had 16 years professional experience in the computer industry, the last seven of which as a technical instructor for both PBSC (Winnipeg) and GP/SHL Learning Technologies. Keith is specialized in providing certified training in Netware (4.x & 5.x) Microsoft (NT 3.51, NT & 2000) and over the last 2.5 years teaching across Canada as a CIW certified instructor specializing in the Prosoft's security professional track. Keith was the first CIW instructor certified to teach the security track in Canada. He also recently authored the book *CIW Foundations Certification Bible* published by Wiley and Associates.



Keith has had extensive technical experience in all areas of security. His hands-on experience includes installing firewalls, intrusion detection systems, W2K/Unix security, TCP/IP security, VPN networking, and vulnerability assessment tools. Keith’s architectural experience includes performing requirements and design analysis for education, insurance, telecommunications, and health environments.

Keith’s true passion with security evolves around training. Keith is the author of many of IST’s training offerings but is principally well known for delivering the critically acclaimed , *Hacks, Attacks and Defenses*.

AUDITING IT: A RISK MANAGEMENT APPROACH USING COBIT

**Tuesday, November 18th and
Wednesday, November 19th, 2003** **9:00am - 5:00pm** **14 CISA Hours**

Registration Deadline: Tuesday, November 4, 2003

Control Objectives for Information and related Technology, (COBIT), helps meet the multiple needs of management by bridging the gaps between business risks, control needs and technical issues. COBIT has been developed as a generally applicable and accepted standard for good Information Technology (IT) security and control practices that provides a reference framework for management, users, and IS auditors, but more importantly, as comprehensive guidance for management and business process owners. The COBIT Framework provides a tool for the business process owner that facilitates the discharge of this responsibility.

This is a 2-day intensive training workshop. The material is presented in an interactive manner using cases to assist attendees assimilate the material. Over the two days participants will consider the challenges facing IT management, explore the impact on audit of the IT function, discuss the use of COBIT and potential adaptations and evaluate effective reporting strategies.

SPEAKER PROFILE

Howard DuBois, is a partner in Hallux Consulting Inc. an Ottawa-based consulting firm with considerable experience in audit and review work for federal government departments, agencies and crown corporations. Howard is a management consultant with over 28 years of consulting experience in IT and IT audit. He has used the COBIT methodology in large and medium sized organizations, and used it to assess organizational IT processes as well as large IT projects.

INTRODUCTION TO TCP/IP

**Tuesday, December 2nd and
Wednesday, December 3rd, 2003** **9:00am - 5:00pm** **14 CISA Hours**

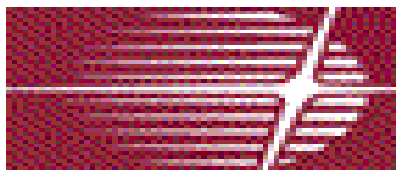
Registration Deadline: Tuesday, November 18, 2003

This seminar will focus on providing auditors with a basic understanding of TCP/IP protocols and networking.

Seminar Highlights

- ☞ Understanding of TCP/IP audit issues
- ☞ Use of live TCP/IP network to demonstrate key concepts and audit tools

1. Understanding TCP/IP	3. Audit Tools and Techniques
✓ TCP/IP Network Fundamentals	✓ Audit Checklist for TCP/IP network audit



<ul style="list-style-type: none"> ✓ IP Protocol ✓ ICMP Protocol ✓ TCP and UDP Protocols ✓ TCP/IP Application Protocols ✓ IP Addressing ✓ Domain Name Service (DNS) ✓ Network Routing <p>2. TCP/IP Applications</p> <ul style="list-style-type: none"> ✓ Understanding security in TCP/IP applications ✓ Role of Operating System security ✓ Threats & Vulnerabilities ✓ Dangerous TCP/IP Services ✓ SANS Top 20 vulnerabilities as they relate to TCP 	<ul style="list-style-type: none"> ✓ Using standard network tools for audit purposes – ping, traceroute, snmp ✓ Network Discovery Tools ✓ Information Gathering Tools ✓ TCP/IP Port Scanning Tools - nmap ✓ Packet Capture & Analysis Tools – tcpdump, ethereal, ettercap, dsniff ✓ Vulnerability Assessment Tools - nessus <p>4. Security Controls</p> <ul style="list-style-type: none"> ✓ Firewall and network segmentation concepts ✓ Encryption ✓ IDS Concepts ✓ Virtual Private Networks (VPN) concepts <p>5. Security & Audit Resources</p> <ul style="list-style-type: none"> ✓ Security-related Web sites ✓ Mailing Lists/Advisories ✓ Books/Periodicals
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SPEAKER PROFILE

John G. Tannahill 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 NT/2000
- ☞ Unix
- ☞ Oracle and Microsoft SQL Server
- ☞ Internet and Firewall security.

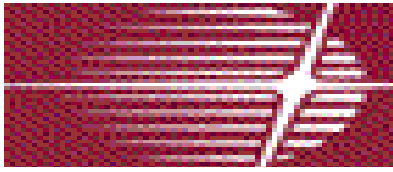
John is a frequent speaker in Canada and the United States on the subject of Information Security. He is a member of the Institute of Chartered Accountants of Scotland.

INFORMATION TECHNOLOGY PERFORMANCE ASSESSMENT

Thursday, December 4th, 2003 8:30am - 12:00pm 3.5 CISA Hours

Enterprises rely on a number of factors to ensure growth and success, perhaps none as pervasive and important as information technology. However recently, with the extent of standardization of IT infrastructures, some organizations have begun to view IT services increasingly as a utility /commodity service that can easily be bought/outsourced, thereby reducing IT’s strategic value. Consequently, IT Managers are challenged by IT budget cuts and a continuous pressure to reduce costs, while expectations on service levels and capabilities remain high. IT Managers face a number of difficult questions from Senior Management and the Board such as:

- ☞ Is investment in IT excessive, inadequate or appropriate?
- ☞ Is investment in IT focused on the highest return areas? How do we measure?
- ☞ Is the organization therefore getting value for money from its IT investment, and are there opportunities for cost reduction?



IT Performance Assessment (“ITPA”) helps develop answers for the above questions and provides a structured framework to view IT performance from different perspectives (Senior Management, End users and IT department) as well as in terms of effectiveness and efficiency.

The objective of the session is to introduce the topic of ITPA for IT Auditors and provide them a framework to use in carrying out such assessments.

Attending this Seminar can help you:

- ✓ Comprehend the key challenges facing your IT function
- ✓ Understand how as an IT Auditor, you may approach, scope, plan and assess IT performance
- ✓ Understand various tools and techniques for ITPA
- ✓ Report findings effectively to senior management and board

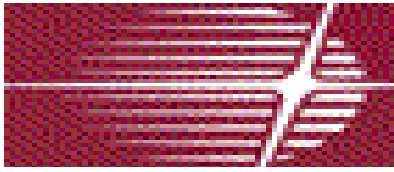
SPEAKER PROFILE

Robert Parker is a Partner in Deloitte & Touche, Toronto, where he has responsibility for the firm’s Information Privacy practice. He was involved in IT, computer security and control since the late 1960’s. He authored a number of articles and books, including four books on Year 2000, and was the Project Director on the September 1998 version of the Canadian Institute of Chartered Accountants (CICA) publication *Information Technology Control Guidelines* that provides guidance to technology professionals.

He served on the International Board of Directors of the Information Systems Audit and Control Association (ISACA) from 1979 to 1991 and was International President in 1986-1987. He continues to be active on ISACA’s Research Board, Journal Editorial Board and is Liaison to the CICA’s Specialization Committee. He is also on the Board of the Information Technology Governance Institute.

Robert represented the CICA on an ISO personal information privacy committee from 1995 through its completion in 1998. He is currently assisting clients to assess their readiness and future strategy to deal with Canada’s new Personal Information Protection (and Electronic Documents) Act. In 1997 –1998 he was a member of the International Federation of Accountants (IFAC) subcommittee that developed that organization’s Guideline of Personal Information Privacy. He also developed the Canadian Bankers Association’s (CBA) eBusiness presentation. This is presented across Canada and he recently completed a 1½ hour video presentation on eBusiness Readiness for the Canadian Chambers of Commerce.

Baskaran Rajamani is a Senior Manager in Deloitte & Touche in the Greater Toronto Area and assists his clients manage risks associated with business systems/applications, implementations and IT infrastructure management processes with a focus on third party assurance to Financial Services Clients. With his prior experience at Arthur Andersen for over 8 years as a package selection/implementation consultant and later as an IS Auditor, combined with his 12 years of prior industry experience (at Dell, General Electric and automotive industry), Baskaran brings a wealth of audit, consulting and end user experiences in solving his clients’ business and process problems. He has authored technical papers and presented on IT risk management at conferences and seminars in different parts of the world. He holds a Master’s degree in Engineering. He is a CISA, a Certified Project Management professional and is currently pursuing his MBA.



INFRASTRUCTURE RISK MANAGEMENT AND AUDITING

Thursday, December 4th, 2003

1:00pm - 5:00pm

3.5 CISA Hours

Cost effective infrastructure management is one of the key challenges of IT Managers, given the IT budget cuts while expectations on systems availability and change readiness remain high. A typical IT infrastructure today even in a medium size firm features a variety of servers, network devices, internet connectivity, VPNs, remote access servers and so on with a variety of IT management processes to manage changes, problems, helpdesk, security, surveillance and incidents often with some service elements outsourced to third parties. Despite industry standards, a typical organization still employs more than one process or tool to manage the various IT processes (such as change management, release management, problem management), often with less than optimal results, diseconomies and risk exposures.

What the ERPs in the 90s did to integrate islands of applications into one seamless end to end application has been catching up as a trend in the infrastructure management field as well, especially with the advent of a number of integrated suites of single vendor software solutions. However, writing a supporting business case and making the shift to embrace such solutions continue to be another challenge.

This typical scenario in most organizations today, presents the IT Auditor with an opportunity to add value by understanding and quantifying the risks, and assisting the infrastructure management teams in meeting these challenges. The main objective of this session is to discuss the knowledge, skills and perspectives that would benefit IT auditors as they plan or perform audits of infrastructure management processes.

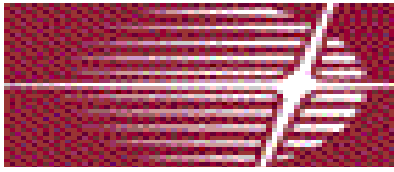
The session will begin with an overview, definition and scope of infrastructure management and its various components. Following this will be a discussion on how one can go about assessing risks by comparing company practices to industry best practices within each of those components and processes. Finally, the session will summarize with a discussion on common themes to look for, how one integrates the findings based on a root cause analysis and how to effectively report the findings and opportunities identified to management.

The session will use practical examples and scenarios to illustrate each section and is expected to have at least one comprehensive practical exercise. Attending this Seminar can help you:

- ☞ Understand the scope, components and processes within infrastructure management
- ☞ Assess the risk profile of each component and process within your infrastructure, to be able to identify specific processes and components for detailed review
- ☞ Identify root causes and value added opportunities
- ☞ Report findings to IT and business management effectively.

SPEAKER PROFILE

Baskaran Rajamani is a Senior Manager in Deloitte &Touche and specializes in helping clients in the areas of IT Project Risk Assessment, IT Governance and IT Performance Assessment, with a focus on the Financial Services sector. With his prior experience for over 8 years at Arthur Andersen in Business Systems implementation and risk consulting, combined with his 12 years of industry experience, Baskaran brings a wealth of audit, consulting and end user experiences in solving his Clients' business and process problems. Baskaran has authored technical papers and presented on IT risk management at conferences and seminars in different parts of the world. He holds a Master's degree in Engineering, is a CISA, a Certified Project Management professional and is currently pursuing his MBA in Finance.



CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA) DESIGNATION

Many corporations believe that the employment of a Certified Information Systems Auditor (CISA) is one of the most important components of safeguarding an organization's assets. Information technology changes rapidly, and vulnerabilities and potential exposures must be kept in check. CISA certified professionals bring to their organizations and their clients valuable knowledge of the most effective information systems (IS) audit, control and security methodologies and an awareness of the unique requirements particular to certain IS environments.

From Switzerland to Singapore, from Australia to Argentina, from the United States to the United Kingdom, more than 26,000 professionals worldwide have earned the CISA designation.

This achievement recognizes their expertise, signals their desire to serve their organization with distinction, and shows their intent to accomplish this through a program that has global respect. The CISA designation is the only professional certification program devoted exclusively to the field of IS audit, control and security. It is the only one in this field with global recognition.

The CISA program, sponsored by the Information Systems Audit and Control Association (ISACA), has a respected track record for serving professionals and their organizations. It was established in 1978 to:

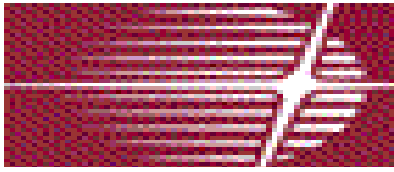
- ✓ Evaluate individual competence in the field;
- ✓ Provide a mechanism for maintaining that competence; and
- ✓ Give management criteria for personnel selection and promotion.

A CISA professional has passed a rigorous examination and has at least five years of IS audit, control or security experience (or equivalent teaching experience). To retain certification, the CISA professional must participate in continuing education programs, which ensures prompt updates of fast-moving technology and its applications.

The CISA examination takes place once a year on the second Saturday of June. In order to help perspective candidates prepare for this examination the Toronto Chapter offers a ten-week review course. This course starts around the beginning of March and runs consecutive Saturday mornings. The course provides the candidate with the opportunity to review the various domains of the exam as well as the review of sample examination questions. Instructors who hold the CISA designation will lead the review sessions. These instructors will share their experience in the IS Audit field as well as tricks and knowledge on preparing for the examination.

If you would like more information regarding the CISA Examination and the preparation course please contact

Lisa Allen, Director of CISA Training - Toronto Chapter at (416) 601- 6441. Email: liallen@deloitte.ca



CERTIFIED INFORMATION SYSTEMS MANAGER (CISM) DESIGNATION

“The security of the knowledge and information stored on our information systems is critical in today’s changing environment. The information security professional is playing an increasingly important role in developing policies, programs and people to help assure the security of these systems. The challenge to business and government organizations is to determine whether they are qualified, competent information security professionals to ensure that their systems meet legal requirements and are secure from unauthorized access and destruction by hackers and terrorists.” - *Robert S. Roussey, CPA, University of Southern California.*

The CISM is not an entry-level certification. It is specifically developed for the information security professional who has acquired proven experience working on the “front lines” of information security. Individuals with five years or more experience managing the information security function as an enterprise or performing such duties will find the CISM most tailored to their knowledge and skills.

The CISM defines the core competencies and international standards of performance that information security managers are expected to master. It provides executive management with the assurance that those who have earned it have the experience and knowledge to offer effective security management and consulting services.

The CISM examination measures expertise in the following areas:

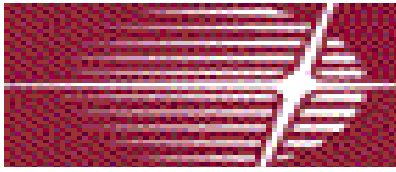
- ☞ Information Security Governance
- ☞ Risk Management
- ☞ Information Security Program Management
- ☞ Information Security Management, and
- ☞ Response Management

A CISM professional has passed a rigorous examination and has at least five years of Information security experience (or equivalent teaching experience). To retain certification, the CISM professional must participate in continuing education programs, which ensures prompt updates of fast-moving technology and its applications.

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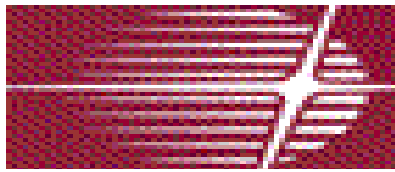
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TORONTO CHAPTER
NEWSLETTER**





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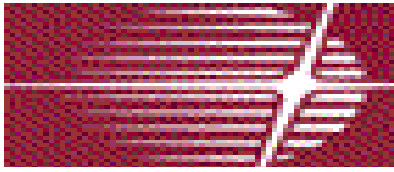
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TORONTO CHAPTER
NEWSLETTER

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Inc.

The views and opinions contained in this publication are solely those of its author, and do not necessarily represent or reflect the views or opinions of the Toronto Chapter of the Information Systems Audit and Control Association. In the event of questions concerning articles in this publication, please contact the author of the articles directly.