2013

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MISSION STATEMENT

The mission of the University of Waterloo Centre for Information Integrity and Information Systems Assurance (UWCISA) falls under three headings:

**RESEARCH:** Identify, create and deliver research addressing information integrity; IT governance, risk and control; information systems assurance; and data analytics;

**EDUCATION AND KNOWLEDGE TRANSFER:** Support and promote the delivery of educational activities and materials related to information integrity; IT governance, risk and control; information systems assurance; and data analytics;

**INTERACTION:** Communicate and promote information integrity; IT governance, risk and control; information systems assurance; and data analytics issues that are important to professionals working in these areas; and to support and promote interaction on those issues among practitioners, educators and students.

The UWCISA (Centre) invites and welcomes new sponsors/collaborators to share in its mission.

BACKGROUND

The University of Waterloo is a leading university in Canada and is well known for its information technology related research, teaching and entrepreneurship. The School of Accounting and Finance (SAF) is one of Canada’s leading academic units in the accounting and finance fields and has both a Canada-wide and international reputation. The School is a strong supporter of the information integrity and information systems assurance fields, as demonstrated by its leading courses and programs in these areas and related research they have spawned (for information please visit http://saf.uwaterloo.ca/uwcisa/index.html).

The Centre was founded in 1998 by the School of Accounting and Finance at the University of Waterloo. The founding sponsors were the Chartered Professional Accountants of Canada (CPA Canada) and the Information Systems Audit and Control Association (ISACA). CaseWare IDEA Inc. joined the sponsor group on January 1, 2006. The sponsors’ objectives are to improve the quality of education and research in information integrity and information systems assurance, and to foster a close and continuing working relationship between the School, the sponsors and other partners with an interest in information integrity and information systems assurance. The Centre was renamed from the Centre for Information Systems Assurance to the Centre for Information Integrity and Information Systems Assurance in 2008 (retaining the acronym UWCISA) in recognition of the need to broaden the Centre’s mandate and activities beyond systems assurance to information integrity. UWCISA is an administrative sub-unit within the Centre of Accounting Research and Education (CARE).

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1 The following name changes have taken place since the founding of the UWCISA. ISACA replaced Information Systems Audit and Control Association on January 1, 2006. The School of Accounting and Finance replaced The School of Accountancy on November 19, 2007. Chartered Professional Accountants of Canada (CPA Canada) replaced Canadian Institute of Chartered Accountants (CICA) on April 1, 2013.
DIRECTOR’S MESSAGE

To the Board of Directors:

I am pleased to present this report on the operations and activities of the University of Waterloo Centre for Information Integrity and Information Systems Assurance during 2013, our sixteenth year of operation.

This year marks the first year in a new three-year funding commitment by the Centre’s sponsors for the period 2013–2015, inclusive. I am pleased that a new plan for the next three-year funding period (2013–2015) and updated terms of reference have been approved by the Board.

During the year, we continued our thought leadership role through service on CPA Canada’s Information Management and Technology Advisory Committee (IMTAC) and the Trust Services Information Integrity Task Force of the AICPA. We also continued our research activities related to information integrity, IT governance, risk and internal control, business model and business process documentation, online privacy, XBRL and data analytics and presented our research at a number of conferences as detailed in the report. During the year, we saw a number of publications result from these efforts as detailed in this report. Our work in progress includes projects addressing IT governance, risk and internal control, online privacy, XBRL, information integrity, business process documentation, business model documentation and data analytics. We have launched an exciting new initiative into assurance in the area of robotics.

We continue to work with other centres with similar purposes, strengthening an international network for mutual support of our respective missions. We are also expanding our relationship with the Institute of Internal Auditors (IIA) which has accredited UW’s internal auditing education curriculum under its IAEP program. We have already started planning our October 2015 Symposium on Information Integrity and Information Systems Assurance.

We continue to welcome new partners to share in our mission. I thank the Centre’s Board members and sponsors for their continued support. I look forward to working closely with all of you in the future.

Respectfully,

Dr. J.E. Boritz, FCPA, FCA, CISA
Director
OPERATIONS AND ACTIVITIES FOR 2013

RESEARCH

THOUGHT LEADERSHIP

The Centre provided thought leadership in several areas during 2013. Copies of working papers are available on the UWCISA’s website http://saf.uwaterloo.ca/uwcisa/index.html.

METHODS TO SUPPORT BUSINESS RISK ASSESSMENTS

- Approaches to Documenting Business Models. Research team is Efrim Boritz, Carla Carnaghan, University of Lethbridge, Paulo Alencar, Computer Systems Group, University of Waterloo. Funding for this project was provided by KPMG. This paper was accepted for publication in 2014 by The Journal of Information Systems (JIS).

- Business Risk Assessment. Research team is Efrim Boritz and Kun Huo. This paper was presented at the CAAA Annual Conference in Montreal, May 30-June 2, 2013. It was also accepted for presentation at the AAA Annual Meeting in Atlanta, August 2014 and is under review at an accounting journal.

- Use of Checklists in Auditing. Research team is Efrim Boritz and Lev Timoshenko. In this article, we provide a framework for thinking about checklists that recognizes that checklist-based outcomes are a joint product of the task and task environment; checklist design; checklist application; and contextual factors. This paper was accepted for publication in Current Issues in Auditing in February 2014.

INFORMATION INTEGRITY

- Information and Data Integrity Task Force. The Director is a member of the AICPA’s data integrity task force. This Group has developed criteria for assessing and reporting on the integrity of data. A white paper authored by UWCISA Research Fellow Gerald Trites was published in January 2013 under the auspices of this task force. http://www.aicpa.org/InterestAreas/FRC/AssuranceAdvisoryServices/DownloadableDocuments/AEC-Information-Integrity-White-paper.pdf

- Information Integrity Control Guidelines. Project team is Efrim Boritz and Malik Datardina. The objectives are to: 1) define information integrity and to identify information integrity risks and controls for mitigating those risks; 2) define assurance practices for information integrity services; 3) interview or survey audit team members about their views on information integrity risks, controls and assurance practices. Funding is being provided by CPA Canada. Members of the project advisory board are: Chris Anderson, CPA (NZ), CISA, CMC, CISSP, Grant Thornton LLP, Toronto, (Ontario); Usuff Curim, CPA, FCCA, CISA, PricewaterhouseCoopers, Toronto, (Ontario); Ray Henrickson, CPA•IT/CISA, Scotiabank, Toronto, (Ontario); Darren James ACPA, CISA, Deloitte LLP, Toronto, (Ontario); Richard Livesley, BMO, Financial Group, Toronto, (Ontario); Madhavan Nayar, Infogix, Inc.; Naperville, (Illinois, USA); Sheryl A. Teed, FCPA, CPA•IT/CISA, CFE, Ernst & Young LLP, Toronto, (Ontario). Research is in progress and nearing completion.

IT GOVERNANCE, RISK AND INTERNAL CONTROL

• The Impact of Performance-based CEO and CFO Compensation on Internal Control Quality. Research team is Kevin Kobelsky, Jee-Hae Lim and Ranjini Jha. This paper was published in the *Journal of Applied Business Research*, May/June 2013.

• Sustainability of a Firm’s Reputation for IT Capability: the Role of Senior IT Executives. Research team is Jee-Hae Lim, Theo Stratopoulos and Tony Wirjanto. This paper was published in the *Journal of Management Information Systems*, Summer 2013.

• Incentive Effects of Enterprise Systems on the Magnitude and Detectability of Reporting Manipulations. Research team is Theo Stratopoulos, Thomas Vance and Xiorong Zou. This paper was published in the *International Journal of Accounting*, March 2013.

• Informativeness of Auditors’ Internal Control Reports. Research Team is Efrim Boritz, Louise Hayes and Lev Timoshenko. This paper has been accepted for presentation at the AAA Annual Meeting in Atlanta, GA, August 2–6, 2014.

• A Content Analysis of Auditors’ Reports on IT Internal Control Weaknesses. The comparative advantages of an automated approach to IT control weakness identification. Research team is Efrim Boritz, Louise Hayes and Jee-Hae Lim. This paper was published in the *International Journal of Accounting Information Systems*, June 2013.

• On IT Control Weaknesses in Auditors’ Reports on Internal Control. Research team is Efrim Boritz, Louise Hayes and Jee-Hae Lim. This paper has been presented at the AAA IS Midyear Meeting in Clearwater, FL, January 2010; the European Accounting Association Conference in Istanbul, May 2010; the CAAA Annual Conference in Vancouver, May 2010; the AAA Meeting in San Francisco, July 2010; the CAAA Annual Conference in Charlottetown, PEI, May 31–June 3, 2012; the AAA Annual Meetings in Washington, August 4–8, 2012; the AMCIS Annual Conference in Seattle, August 9–10, 2012; and the AAA IS section Midyear Meeting in Ft. Lauderdale, January 10–12, 2013. This paper is currently being revised.

### INTEGRATED REPORTING

• Quality of Integrated Reporting Information. Research team is Efrim Boritz and Linda Whittaker. Objective: to review and evaluate the issues involved in integrated reporting information.

• Impact of Integrated Reporting Information on Judgments and Decisions. Research team is Efrim Boritz, Leslie Berger and Carolyn MacTavish. Objective: to evaluate the impact of integrated reporting on investor decision making. A behavioural study is being planned for 2014 to enable submission to various conferences.

### ONLINE PRIVACY

• Designing Privacy-Enhanced Interfaces on Digital Tabletops for Public Settings. Research team is Arezoo Irannejad, Efrim Boritz and Mark Hancock, University of Waterloo. This paper has been accepted for presentation at the AAA Annual Meeting in Atlanta, GA, August 2–6, 2014.
XBRL

- The Director participated on a panel on “Using XBRL Data in the Financial Audit” at the 5th University of Kansas International Conference on XBRL, April 25–28, 2013.

- Characteristics of Firms that Participated in the SEC’s Voluntary Filing Program. Research team is Efrim Boritz and Lev Timoshenko. This paper was presented at the AAA IS section Midyear Meeting, Scottsdale, FL, January 5–7, 2012; and the 24th World Continuous Auditing and Reporting Symposium “Continuous Auditing and XBRL Coming of Age” in Malatya, Turkey, May 3–4, 2012. The paper has been revised and resubmitted for review at an accounting journal.

- Computer-Assisted Tools for Auditing XBRL-Related Documents. Research team is Efrim Boritz and Won Gyun No, Iowa State University. This paper is being revised for journal submission.

- XBRL vs. the Aggregators. Research team is Efrim Boritz and Won Gyun No, Iowa State University. This paper was presented at the 25th XBRL International Conference in Yokohama, Japan, November 6–8, 2012, the AAA IS section Midyear Meeting in Ft. Lauderdale, FL, January 10–12, 2013, the 26th XBRL International Conference in Dublin, Ireland, April 15-18, 2013, and the AAA Annual Meeting in Anaheim, CA, August 3-7, 2013. It was on SSRN’s top download list for several months in the spring and summer of 2013. The paper has been submitted to an accounting journal.

- Executive Team Information System and Financial Reporting Competencies and Voluntary Adoption of XBRL Reporting. Research Team is Jee-Hae Lim, Efrim Boritz and Jap Efendi. This paper was presented at the XBRL 25th International Conference in Yokohama, Japan, November 6–8, 2012 and the AAA IS section Midyear Meeting in Ft. Lauderdale FL, January 10–12, 2013. This paper is being prepared for submission to an accounting journal.

TRUST SERVICES

- Trust Services Task Force. The Director is serving on the AICPA task force to update Trust Services Principles and Criteria. The task force is updating the Guide on Reporting on Controls at a Service Organization (SOC 2).

CONTINUOUS REPORTING, MONITORING AND ASSURANCE

- Continuous Monitoring and Assurance. Research team is Malik Datardina and Efrim Boritz. A report was produced with funding from CaseWare IDEA Inc. This report will be updated in 2014.

FUNDING SPECIFIC RESEARCH AND EDUCATION PROJECTS

UWCISA’s funding comes from donations provided by our generous sponsors, research grants from various agencies and publication revenues. UWCISA is exploring new fundraising options to help the Centre establish a full-time staff to conduct its research, education and outreach activities on a long-term, sustainable basis.

We welcome new partners to help us achieve the Centre’s mission.
SPONSORING RESEARCH SYMPOSIUM

INFORMATION INTEGRITY AND INFORMATION SYSTEMS ASSURANCE SYMPOSIUM

The 8th Biennial Research Symposium was held October 3-5, 2013 at the Renaissance Hotel, One Blue Jays Way, Toronto, Canada. The symposium was sponsored by the University of Waterloo, BMO-Bank of Montreal, CPA Canada, CaseWare IDEA Inc., ISACA Toronto Chapter, and the International Journal of Accounting Information Systems.


PROGRAM

Thursday, October 3, 2013

Welcome Reception, Renaissance Hotel

Friday, October 4, 2013

OPENING REMARKS

Tom Scott, Director of School of Accounting & Finance, University of Waterloo

Bill Świrsky, Chair, UWCISA

Efrim Boritz, Director, UWCISA
PANEL ON AUDIT DATA ANALYTICS
Moderator: Miklos Vasarhelyi, Rutgers University
Panelists: Dorothy McQuilken, AICPA
Greg Shields, CPA Canada
Darren James, Deloitte
Eric Cohen, PWC

A TAXONOMY TO GUIDE RESEARCH ON THE APPLICATION OF DATA MINING TO FRAUD DETECTION IN FINANCIAL STATEMENT AUDITS
Moderator: Bill Swirsky, UWCISA
Presenters: Glen Gray, California State University at Northridge; and Roger Debreceny*, University of Hawai’i at Mānoa
Discussants: Sev Grabski, Michigan State University
Eckhardt Kriel, EK & Associates

A CONCEPTUAL MODEL FOR SEGREGATION OF DUTIES: INTEGRATING THEORY AND PRACTICE
Moderator: Richard Livesley, BMO
Presenter: Kevin Kobelsky, University of Michigan–Dearborn
Discussants: Clark Hampton, University of Waterloo
Henry Grunberg, Ernst & Young

ISSUES WITH THE COMMUNICATION AND INTEGRITY OF AUDIT REPORTS WHEN FINANCIAL REPORTING SHIFTS TO AN INFORMATION-CENTRIC PARADIGM
Moderator: Jee-Hae Lim, University of Waterloo
Presenters: Eric E. Cohen, PWC; Roger Debreceny, University of Hawai’i at Mānoa; Stephanie Farewell*, University of Arkansas at Little Rock; and Saeed Roohani, Bryant University
Discussants: Raj Srivastava, University of Kansas
Gerald Trites, XBRL Canada

THE EXPERT SYSTEMS LIFE CYCLE IN AIS RESEARCH: WHAT DOES IT MEAN FOR FUTURE AIS RESEARCH?
Moderator: Krista Fiolleau, University of Waterloo
Presenters: Glen Gray*, California State University at Northridge; Victoria Chiu, Qi Liu and Pei Li, Rutgers University
Discussants: Dan O’Leary, University of Southern California
Bob Cuthbertson, CaseWare IDEA Inc.

ROBOTICS, CONTROL AND AUDIT
Moderator: Bill Swirsky, UWCISA
Presenter: Robert Parker, UWCISA
THE FINANCIAL CLOSE PROCESS: IMPLICATIONS FOR FUTURE RESEARCH

Moderator: Bob Cuthbertson, CaseWare IDEA Inc.
Presenters: Diane Janvrin*, Iowa State University; and Maureen Mascha, Purdue University-Calumet
Discussants: Elaine Mauldin, University of Missouri; Genevieve Leong, KPMG

Saturday, October 5, 2013

ON GOVERNANCE STRUCTURES FOR CLOUD RESOURCES AND ASSESSING THEIR EFFECTIVENESS

Moderator: Theo Stratopoulos, University of Waterloo
Presenters: Acklesh Prasad*, Queensland University of Technology; Peter Green and Jon Heales, University of Queensland
Discussants: Carla Wilkin, Monash University, Australia; Sajith Nair, PWC

THE INFLUENCE OF INTERNAL AUDIT ON INFORMATION SECURITY EFFECTIVENESS: PERCEPTIONS OF INTERNAL AUDITORS

Moderator: Jodie Lobana, Lobana Consulting Group
Presenters: Paul John Steinbart, Arizona State University Group Inc.; Robyn Raschke, University of Nevada Las Vegas; Graham Gal*, University of Massachusetts; and William Dilla, Iowa State University
Discussants: Urton Anderson, University of Kentucky; Ray Henrickson, Scotiabank

ARE YOUR SECURITY OR OPERATIONAL BUSINESS POLICIES CORRECT?

Moderator: Brad Pomeroy, University of Waterloo
Presenters: V.R. Karimi*, D.D. Cowan and P.S.C. Alencar, University of Waterloo
Discussants: Graham Gal, University of Massachusetts; Malik Datardina, Deloitte

PANEL ON GAMING, PRIVACY AND SECURITY

Moderator: Vaike Murusalu, OLG
Presenters: Rick Guzzo, OLG: Fraud Analytics through use of DART; Gurmit Aujla, CPA, CA, CIA, CRISC, CRMA, Director Internal Audit, British Columbia Lottery Corporation: eGaming experience in BC; Les DeSouza, Enterprise Architect, OLG: Making it Real: Privacy-Protective Facial Recognition

A special issue of the International Journal of Accounting Information Systems will be published in 2014, containing selected papers from UWCISA’s 2013 Symposium.

* indicates presenting author
EDUCATION AND KNOWLEDGE TRANSFER

DEVELOPING COURSES, WORKSHOPS, CASES AND OTHER TEACHING MATERIAL

IT IN ACCOUNTING EDUCATION

Efrim Boritz and Greg Stoner of Glasgow University, Scotland wrote a chapter on IT in Accounting Education for a book titled The Routledge Companion to Accounting Education edited by Richard M. C. Wilson. It will be published by Routledge Press in April 2014. A paper based on this chapter was presented at the AAA Annual Meeting in Anaheim, CA, August 3-7, 2013.

WORKSHOPS

XBRL WORKSHOP

An XBRL Workshop was facilitated by Eric Cohen, PWC; Skip White, University of Delaware; and Won Gyun No, Iowa State University the day before the 8th Biennial Research Symposium in October 2013. Participants from practice and academe were introduced to numerous practical tools to learn about and leverage XBRL.

COMPUTER-ASSISTED AUDITING TECHNIQUES, DATA ANALYTICS AND BIG DATA

Malik Datardina and Efrim Boritz updated their paper on CAATs in the Classroom which is available on the Centre’s website at http://saf.uwaterloo.ca/uwcisa/resources/documents/CAATs_in_the_Classroom_rev01052014.pdf. The update extends the coverage of this paper to data analytics, data visualization and big data issues.

COMPUTER CONTROL AND AUDIT GUIDE

In 2013 the Centre sold 100 copies of the 15th edition of its long-running publication, Computer Control and Audit Guide (CCAG) which is revised every other year to keep it current.

SHARING MATERIAL WITH OTHER EDUCATORS

The UWCISA website contains a variety of materials from various Centre-supported initiatives including research papers, reports, videos, and podcasts. These materials are available for use by academics and practitioners.

INTERACTION

ALLIANCES AND RELATIONSHIPS

As part of its mission to interact with academe and practice, the Centre seeks to create and sustain relationships with academic units with similar objectives and professional associations with an interest in information integrity and information systems assurance. During the year, the Centre supported the following activities:

• Clark Hampton continues to lead the Centre initiative assisting the School of Accounting and Finance to develop its accredited program under the IIA’s IAEP (Internal Auditing Education Program). Approval was received on July 13, 2012. As a representative of the Institute of Internal Auditors (IIA), Jodie Lobana is an integral member of the UWCISA Board. The relationship between the Centre and IIA continues to strengthen.
• The Director continued to participate on CPA Canada’s Information Management and Technology Advisory Committee (IMTAC). Information is available at: http://www.cica.ca/focus-on-practice-areas/information-technology/about-imtac/item72179.aspx. In addition, Malik Datardina provides support for IMTAC.

• The Director is a member of the Departmental Audit Committee of Shared Services Canada (SSC). The creation of SSC on August 4, 2011, brought together people, technology resources and assets from 43 federal departments and agencies to improve the efficiency, reliability and security of the Government’s IT infrastructure. A more efficient use of technology will increase productivity across departments and will help build a more modern public service. SSC’s total budget for 2013–14 was approximately $1.37 billion (including revenue from cost-recovery services).

• The Director is a member of the AICPA’s Trust Services Information Integrity Task Force.

• UWCISA continued to work with academic units with similar purposes to create an international network for mutual support of our respective missions.

• The Centre developed an affiliation with Findynamics, developer of XBRL Analyst.

• The Centre is beginning to develop an affiliation with Deloitte and TD Bank in connection with its Business Analytics initiative.

DISSEMINATING BEST PRACTICES

CONFERENCES
• Centre personnel made presentations at a number of conferences during 2013, including the American Accounting Association (AAA) IS section Midyear Meeting, the AAA Annual Meeting, the Canadian Academic Accounting Association (CAAA) Annual Conference, the University of Kansas International Conference on XBRL, and the XBRL International Conference Dublin, Ireland.

COMMUNICATION

WEBSITE AND SOCIAL MEDIA OUTREACH
UWCISA’s website, accounting.uwaterloo.ca/uwcisa, serves as the Centre’s portal. It includes calls for papers and research proposals, a resources section, a number of links and downloadable, and the IS Assurance blog.

UWCISA’s Annual Reports are posted to the website and summarize the Centre’s year-by-year activities. These reports are disseminated both electronically and in hardcopy formats.

Robert Parker’s thought-leading environmental scans and Don Cowan’s Building Mobile and Web Apps Quickly and Painlessly video presentations and PowerPoints are posted on the Centre’s website and are available at accounting.uwaterloo.ca/uwcisa/resources/videos.htm.

Our website, through Theophanis Stratopoulos’ initiative, is linked to key social networks such as Facebook, LinkedIn and Twitter. These social networks give us an opportunity to share information (like the flyer for the Symposium) with people who would not normally be closely tied to our Centre. During the coming year we will explore the use of other ways to extend our reach.

Articles in ISACA’s Toronto Chapter Newsletter have been used to communicate UWCISA’s activities to Chapter members.

IS ASSURANCE WEBLOG
Malik Datardina maintains our blog at uwcisa-assurance.blogspot.com.
FUTURE PLANS

In the next twelve months, UWCISA will maintain its current research, education and interaction activities, and will undertake new initiatives as well. Plans for each key category are outlined below.

RESEARCH

THOUGHT LEADERSHIP

UWCISA will continue working on the following projects during 2014:

• Business Model Documentation. Two papers on this topic will be completed and submitted for presentation at various conferences and publication.

• Information Integrity. One monograph on this topic is being prepared for publication, and a new project will be started.

• IT and Information Governance. One paper on this topic will be completed and submitted for presentation at various conferences and publication.

• IT Risks and Internal Control. One paper on this topic will be completed and submitted for presentation at various conferences and publication.

• Online Privacy. Two papers on this topic are being prepared for presentation and publication.

• XBRL. Three papers on this topic will be presented at various conferences and prepared for publication.

FUNDING SPECIFIC RESEARCH AND EDUCATION PROJECTS

UWCISA’s fundraising committee will continue seeking ways to expand the funding base for the Centre. We invite partners to join us in our mission to improve the integrity of information and the quality and reliability of information systems and the processes used to create, implement, operate, maintain and change them.

RESEARCH PROPOSALS

For Research Proposal Guidelines, visit arts.uwaterloo.ca/ACCT/uwcisa.

FELLOWSHIPS AND SCHOLARSHIPS

UWCISA will make funds available for Visiting Fellows and doctoral students. For details, contact the Director.

During the summer of 2014 UWCISA will host a visit by Dr. Acklesh Prasad of Queensland University of Technology, Brisbane, Australia.

SPONSORING RESEARCH SYMPOSIUM

We are planning the 9th Biennial Research Symposium to be held in October in 2015. We invite proposals for panels on topics related to the Centre’s mission.
EDUCATION AND KNOWLEDGE TRANSFER

DEVELOPING COURSES, WORKSHOPS, CASES AND OTHER TEACHING MATERIAL

COURSES
Under Theo Stratopoulos’ leadership and with the assistance of Malik Datardina and Kieng Iv of Deloitte, the Centre is sponsoring the development of a Business Analytics stream at the University of Waterloo. The program will be launched in spring of 2014.

WORKSHOPS
• The Centre plans to offer a PD Workshop on Information Integrity Assurance and Information Integrity Controls during 2014.
• A workshop on assurance techniques for XBRL is being planned for summer 2014.

COMPUTER CONTROL AND AUDIT GUIDE
This publication will be updated in the fourth-quarter of 2015.

SHARING MATERIAL WITH OTHER EDUCATORS
The Centre will continue to share its material with educators around the world. For information, please visit our website or contact the Director.

INTERACTION

ALLIANCES AND RELATIONSHIPS
As part of its mission to interact with academe and practice, the Centre seeks to create and sustain relationships with academic units with similar objectives, professional associations and industry partners with an interest in information integrity and information systems assurance. In the coming year we will continue our outreach to units with similar goals and objectives to develop an international network for mutual support.

DISSEMINATING BEST PRACTICES

CONFERENCES
• Centre personnel will make presentations at a number of conferences during 2014, including the American Accounting Association (AAA) IS section Midyear Meeting, the AAA Annual Meeting, the Canadian Academic Accounting Association (CAAA) Annual Conference, the Contemporary Accounting Research (CAR) Conference, the Pacific Asia Conference on Information Systems (PACIS), and the International Conference on Information Systems (ICIS).

COMMUNICATION

WEBSITE AND SOCIAL MEDIA OUTREACH
• Robert Parker will provide an environmental scan for 2014 that will be posted on the UWCISA website in summer of 2014.
• Various social media networks will continue to be used (Facebook, Twitter, YouTube and LinkedIn).
• UWCISA plans to continue to improve the site in 2014. Your comments are welcome.

IS ASSURANCE WEBLOG
• Malik Datardina will continue to manage the IS Assurance blog on behalf of the UWCISA.
The University of Waterloo Centre for Information Integrity and Information Systems Assurance gratefully acknowledges the generous support of our founding partners and sponsors.