
Accounting Information Systems Section



**American
Accounting
Association**

2015 Journal of Information Systems Conference

March 26-27, 2015

Offices of the AICPA
Durham, North Carolina

Sponsored by the American Institute of CPAs and
Caseware IDEA, Inc.

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Welcome to Durham!

On behalf of the AAA Accounting Information Systems Section, welcome to Durham, North Carolina and the first *JIS* Research Conference. It is our pleasure to share with you a broad array of knowledge and ideas related to information technology auditing through panels, papers, and discussions. We appreciate the generous conference support from the AICPA and Caseware IDEA, Inc. We invite you to thank these sponsors as you visit with them throughout the next two days.

In addition to the papers that will be presented, we note two panels that will take place. Thursday morning at 10:45 am, Mary Curtis from University of North Texas, will lead the panel title “IT Audit – Being Pushed and Pulled between Compliance and Value.” She will be joined by panelists; Mikrish Appadu from Ernst & Young, Beth Wood the State Auditor of North Carolina, and Mark Shaw from Compliancy.com. The second panel will take place Friday morning at 10:15 am. Mary Curtis, from University of North Texas, will lead the panel “The Future of IT Audit” with panelists; Joel Pinkus from KPMG, Srinivas Shimamoto from Accuratus, Donny Shimamoto from IntrapriseTechKnowlogies LLC, and Matt Pickard from the University of New Mexico.

As part of the conference, we invite you to a Thursday evening dinner sponsored by *Journal of Information Systems* editors Mary Curtis and Roger Debreceeny at Nantucket Grill (5925 Farrington Rd).

Thank you for attending this conference and bringing your expertise to share with colleagues and other attendees. And an extra heartfelt thank you for submitting your papers and contributing to make this a successful conference for our section. This conference is possible through your active and engaged participation.

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Accounting
Information Systems

While we are grateful to many who helped contribute to this conference, we offer a special thanks to Amy Pawlicki, Susan Pierce, and Dorothy McQuilken from the AICPA; Stephanie Austin, *JIS* Editorial Assistant; and Jennifer Drahozal, Iowa State University graduate student. These women did a fantastic job in helping make this conference a success.

Again, welcome to Durham and the 2015 *JIS* Conference.

Diane Janvrin, Iowa State University and David A. Wood, Brigham Young University
JISC2015 Editors

A Special “Thank you” To:



and



Sponsors of the 2015 *Journal of Information
Systems Conference*

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Journal of Information Systems

Journal Co-Editor,Mary Curtis, University of North Texas
Journal Co-Editor,Roger Debreceeny, University of Hawai'i at Mānoa
Knowledge Resources Editor, Eileen Taylor, North Carolina State University

In-the-Literature.....Juan Manuel Sanchez, Texas Tech University

Newsletter, *Accounting Information Systems*

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Committee.....Fatima Alali, California State University, Fullerton
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Accounting Information Systems Section Meeting Coordinators

2016 Midyear Meeting Coordinator.....Stephanie Farewell, University of Arkansas at Little Rock
AAA Annual Meeting Coordinator.....Stephanie Farewell, University of Arkansas at Little Rock
Assistant AAA Annual Meeting
Coordinator.....Victoria Chiu, SUNY at New Paltz

Reviewers

We wish to thank the following reviewers for their assistance with the conference submission this year.

Kevin Agnew, University of South Florida

Ryan Baxter, Boise State University

Matt Bogusch, Deloitte

Larry Boyd, Ernst & Young

Terry Campbell, Indiana University

Dennis Caplan, University at Albany, SUNY

Margaret Christ, University of Georgia

Virginia Collins, Marks Paneth

Joshua Coyne, University of Memphis

Mai Farkas, California State University–San Marcos

Lawrence Gordon, University of Maryland

Clark Hampton, University of Waterloo

William Heninger, Brigham Young University

JP Krahel, Loyola University-Maryland

Joel Lanz, Joel Lanz, CPA, PC

Rina Limor, Hofstra University

Tina Loraas, Auburn University

Kevin Martin, Kevin P. Martin & Associates, PC

Elaine Mauldin, University of Missouri-Columbia

Michael McAllister, BDO USA, LLP

Uday Murthy, University of South Florida

Martin Ndicu, Mississippi State University

Rob Nehmer, Oakland University

Karen Percent, Duke University

Matt Pickard, University of New Mexico

Yue Qi, University of Nankai

Joseph Reid, North Carolina A&T State University

Vern Richardson, University of Arkansas

Juan Manuel Sanchez, Texas Tech University

Dan Schroeder, Habif, Arogeti & Wynne, LLP

Josh Shamash, RSW

Donny Shimamoto, IntraprisesTechKnowlogies LLC

Stephen Smith, Monash University

Neal Snow, University of South Florida

Elaine Stanley, Interprovincial Lottery Corporation

Scott Summers, Brigham Young University

Lili Sun, University of North Texas

Bruce Sussman, WYN

Brad Trinkle, Mississippi State University

Brad Tuttle, University of South Carolina

Marcia Weidenmier Watson, Mississippi State University

Don West, Donald P. West, CPA

Torpey White, Elko & Associates LTD

Amanda Wilford, Southern Utah University

David Wood, McGladrey

AICPA Coordinator Biographies



Amy R. Pawlicki, Director, Business Reporting, Assurance & Advisory Services and XBRL, AICPA

Amy R. Pawlicki is Director – Business Reporting, Assurance & Advisory Services and XBRL for the American Institute of Certified Public Accountants (AICPA). Ms. Pawlicki staffs the AICPA Assurance Services Executive Committee, which is focused on developing guidance for assurance and related services to improve the quality, relevance and usefulness of information, and on providing thought leadership and recommendations which identify and prioritize emerging trends and market needs for assurance and related services. Ms. Pawlicki is responsible for building awareness and understanding among the AICPA membership of the eXtensible Business Reporting Language (XBRL), a language for the electronic communication of business and financial information. Ms. Pawlicki also coordinates AICPA activities related to Integrated Reporting and Sustainability, including collaboration with other organizations around the world that are dedicated to improving the quality and transparency of business reporting. Ms. Pawlicki currently serves as Chair of the World Intellectual Capital/Assets Initiative.

**Dorothy McQuilken, Manager, Business Reporting, Assurance & Advisory Services, AICPA
Thursday Opening Speaker**

Dorothy is a manager on the Business Reporting, Assurance & Advisory Services team for the American Institute of Certified Public Accountants (AICPA). She is the lead staff liaison to the AICPA Assurance Services Executive Committee's (ASEC) Emerging Assurance Technology task force. This task force is responsible for developing a conceptual framework and guidance to capitalize on emerging technologies affecting the business information supply chain, covering both internal and external reporting.

AICPA Coordinator Biographies



**Susan Pierce, Senior Technical Manager, Information Management and Technology Assurance, AICPA
Thursday Opening Speaker**

Susan leads the AICPA Information Management and Technology Assurance Team which is responsible for a 4,000 membership group including IMTA section members as well as CITP credential holders. The IMTA team collaborates with industry, CPA firm leaders and the interested public to define the IMTA/CITP body of knowledge and to develop the educational resources and tools to help CPAs become Information Assurance accountants by understanding and utilizing the impact technology has on achieving business objectives. By monitoring the profession and discipline and responding to market demands with the tools necessary to help CPAs be successful, we have a direct impact on the profession on a daily basis.

Panelist Biographies

Karl Busch, Associate Director, Ernst & Young

Karl Busch is an Associate Director at E&Y's Cleveland development team, working on technology aspects of E&Y's assurance services line. Importantly, he is a member of the AICPA's assurance services committee (ASEC). Mark is a local North Carolina consultant and solutions provider.

Beth Wood, State Auditor, State of North Carolina

Beth Wood is a long-time public servant with 15 years of auditing experience. Beth served in the State Auditor's Office for more than a decade and previously served in the State Treasurer's Office. She is the first woman elected to the position of State Auditor in North Carolina.

Mark Shaw, President and co-founder, Compliancy.com, North Carolina

Mark brings over 15 years of experience as an entrepreneur having founded several companies as well as the development of new businesses within large companies. Mark's strategic vision brought together a unique combination of experience in compliance implementations, business process workflow, and non-technical user interface development for business process solutions to develop the Compliancy solution. Mark brings extensive experience in the implementation of compliance controls, operational controls and business process automation having worked extensively with customers and accounting firms on the requirements and implementation of internal controls for regulatory compliance together with years of experience with business process management. Prior to Compliancy Software, Mark worked with Ultimus, a leader in Business Process Management solutions. Prior to Ultimus, Mr. Shaw co-founded and developed an Internet Services business unit with Nortel and led the venture funding that resulted in the unit being spun off as the highly successful NeoNova Network Services. Mark holds BS degrees in Mechanical Engineering and Electrical and Computer Engineering from North Carolina State University.

Panelist Biographies

Joel Pinkus, Program Director, KPMG Global Audit Services

Joel has more than 25 years of professional experience as a consultant to industry and government, including over 15 years of focused experience in data analytics, data forensics and audit assessment services. His main areas of focus have been in the design, development and use of automated tools to detect fraud, waste and abuse, and perform audit procedures. Joel's current role with KPMG is a research and development position in the areas of Audit Data Strategy and Innovation.

Srinivas Sarawatula, Managing Principal, Accuratus

Srinivas is the Managing Principal at Accuratus LLC, providing a range of services from audit co-sourcing to IT security advisory services. Srinivas's professional career includes almost 20 years in corporate and professional service roles across several industries including financial services, government, healthcare, technology, and power utilities. His most recent industry management role was serving as the Vice President of IT Audit at Open Solutions, Inc. a billion-dollar financial services company (now part of Fiserv) where he managed the internal audit department, acted as liaison to the federal regulators, and managed the relationship with external auditors. Previous to that, he was Senior Manager of Internal Audit at Fidelity Investments.

Donny Shimamoto, Managing Director, IntrapriseTechKnowlogies LLC

Donny Shimamoto, CPA.CITP, CGMA is the founder and managing director of IntrapriseTechKnowlogies LLC. Donny helps many organizations by bridging accounting and IT to strengthen organizational governance and risk management, improve business processes through IT, and increase the effectiveness of decision-making through business intelligence and evidence-based management.

Matt Pickard, Assistant Professor of Accounting, University of New Mexico

Matt Pickard, Ph.D. is an Assistant Professor of Accounting at the University of New Mexico. He received his Ph.D. from the University of Arizona in Management Information Systems. His research leverages embodied conversational agents (i.e., virtual humans) to maximize voluntary self-disclosure and change attitudes and behaviors. He enjoys the challenges of data analytics and the general process of turning raw data into meaningful and useful information for decision making. In his personal life, Matt is a family man and enjoys camping, woodworking, and beekeeping.

Journal of Information Systems Conference-JISC 2015

Sponsored by the American Institute of CPAs and Caseware IDEA, Inc.

Held at AICPA 220 Leigh Farm Road, Chapel Hill, NC 27517

CPE Credits will be available

Editors of JISC 2015: Diane Janvrin, Iowa State University and David A. Wood, Brigham Young University

Thursday, March 26, 2015

7:00 am - 8:00 am	Breakfast is available at Hampton Inn & Suites and at the AICPA
8:00 am	Shuttle from Hampton Inn & Suites to the AICPA
8:30 am – 9:00 am	Welcome and Opening Remarks
Palladian 1, First Floor, International Plaza	Rick Dull, West Virginia University. President, Accounting Information Systems Section, American Accounting Association Susan Pierce, Senior Technical Manager, Information Management and Technology Assurance, AICPA Dorothy McQuilken, Manager, Business Reporting, Assurance & Advisory Services, AICPA
9:00 am - 10:15 am	Adoptions of Automated Internal Control Testing Strategies and
Auditing - 1.5 CH	External Auditor Perceptions of the Strength of the Internal Audit
	Function
	Rina Limor, Hofstra University Maia Farkas, California State University – San Marcos Academic commentator: Margaret Christ, University of Georgia Professional commentator: Matt Bogusch, Deloitte Moderator: Diane Janvrin, Iowa State University
10:15 am – 10:45 am	Break
10:45 am – 12:00 pm	Panel: IT Audit -- Being Pushed and Pulled between Compliance
Auditing - 1.5 CH	and Value
	This panel will consider the role played by IT auditors in organizations and external auditors in both meeting external compliance requirements as well as ensuring information systems provide value for the enterprise. The panel will address the role played by the various standards and frameworks including SOCx, NIST, SOX, COSO and COBIT.
	Panel members:
	Mikrish Appadu, Ernst and Young

Beth Wood, State Auditor, State of North Carolina
Mark Shaw, Compliancy.com, North Carolina
Moderator: Mary B. Curtis, University of North Texas

12:00 pm – 1:00 pm

Lunch

1:00 pm – 2:15 pm
Accounting - 1.5 CH

Developing a Measure for Information Systems Control Alignment

Alex Cram, Bentley University

Brent Gallupe, Queens University

Academic commentator: Tina Loraas, Auburn University

Professional commentator: Michael Burch, Office of the Auditor,
State of North Carolina

Moderator: Mary B. Curtis, North Texas University

2:15 pm – 2:45 pm

Break

2:45 pm – 4:00 pm
Auditing - 1.5 CH

**The Association between Information Technology Investments
and Audit Risk**

Shipeng Han, University of Memphis

Zabihollah Rezaee, University of Memphis

Ling Xue, University of North Carolina at Greensboro

Joseph Zhang, University of Memphis

Academic commentator: Theo Stratopoulos, University of Waterloo

Professional commentator: Kevin Martin, Martin & Associates

Moderator: Roger Debreceeny, University of Hawai'i at Mānoa

4:00 pm – 5:15 pm
Auditing - 1.5 CH

**Repairing Organizational Legitimacy Following IT Material
Weakness: Executive Turnover, IT Expertise, and IT System
Overhaul**

Jacob Z. Haislip, Binghamton University

Adi Masli, University of Kansas

Vernon J. Richardson, University of Arkansas

Juan Manuel Sanchez, Texas Tech University

Academic commentator: Amanda Wilford, Southern Utah
University

Professional commentator: Terry Campbell, Indiana University

Moderator: David A. Wood, Brigham Young University

6:30 pm

Dinner: Nantucket Grill, 5925 Farrington Rd, Chapel Hill, NC 27517.
el Hill: (919) 402-0077

Journal of Information Systems Conference-JISC 2015

Friday, March 27, 2015

- 7:00 am -8:00am** **Breakfast is available at Hampton Inn & Suites and at the AICPA**
- 8:00 am** **Shuttle from Hampton Inn & Suites to the AICPA**
- 8:30 am - 9:45 am** **Is There an Association Between Internal Control Findings and
Accounting - 1.5 CH**
Palladian 1, First
Floor, International
Plaza
- Measures of Information Security Effectiveness?**
Paul Steinbart, Arizona State University
William Dilla, Iowa State University
Graham Gal, University of Massachusetts Amherst
Robyn Raschke, University of Nevada Las Vegas
Academic commentator: Uday Murthy, University of South Florida
Professional commentator: Donny Shimamoto,
Intraprisetechknowlogies LLC
Moderator: David A. Wood, Brigham Young University
- 9:15 am – 10:15 am** **Break**
- 10:15 am – 11:45 am** **Panel: The Future of IT Audit**
Auditing - 1.5 CH
- This panel will address the future of IT audit in a world of advanced audit analytics, ubiquitous Internet-enabled devices, and cloud computing. The panel will consider new forms of internal and external assurance on information systems and supporting assurance on new modes of performance and sustainability reporting.
Panel members:
Joel Pinkus, KPMG
Srinivas Saraswatula, Accuratus
Donny Shimamoto, Intraprisetechknowlogies LLC
Matt Pickard, University of New Mexico
Moderator: Mary B. Curtis, University of North Texas
- 11:45 am – 12:00 pm** **Concluding remarks and JISC2016 Announcement**
Mary B. Curtis, University of North Texas and Roger Debreceeny,
University of Hawai'i at Mānoa, Senior Editors of the *Journal of Information Systems*.
Rick Dull, West Virginia University. President, Accounting Information Systems Section, American Accounting Association

12:00 pm to 1:00 pm **Lunch at AICPA**

Conference Registrants

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Joseph Zhang	University of Memphis	jzhang5@memphis.edu

Future AAA Annual Meetings

August 8-12, 2015 Chicago, Illinois	August 5-9, 2017 San Diego, California
August 6-10, 2016 New York, New York	August 4-8, 2018 National Harbor, Maryland

Other AAA Meetings

April 16, 2015-April 18, 2015 2015 Southeast Region Meeting Asheville, North Carolina	April 30, 2015-May 2, 2015 2015 Western Meeting Region Coronado, California
April 23, 2015-April 25, 2015 2015 Mid-Atlantic Region Meeting Cherry Hill, New Jersey	January 2016 2016 Midyear Meeting and AIS New Scholar Consortium TBD
April 30, 2015-May 2, 2015 2015 Ohio Region Meeting Cleveland, Ohio	Fall 2016 2016 <i>Journal of Information Systems</i> Research Conference TBD