

Curriculum Vitae

Guido L. Geerts

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University of Delaware
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ACADEMIC HONORS

American Accounting Association/J. Michael and Mary Anne Cook/Deloitte Foundation Prize for undergraduate teaching, August 2022.

Outstanding Service Award, American Accounting Association (AAA), August 2018.

Outstanding Service Award, AAA Strategic and Emerging Technologies Section, August 2016.

Excellence in Teaching Award, University of Delaware, May 2015.

Outstanding Scholar Award, Alfred Lerner College of Business & Economics, May 2014.

Faculty Excellence in Research Award, Department of Accounting and MIS, May 2014

Accounting Horizons Best Paper Award, 2014, “Integrating Information Technology into Accounting Research and Practice” (with L. Graham, E. Mauldin, W.E. McCarthy, and V.J. Richardson).

Outstanding Teacher Award, Alfred Lerner College of Business & Economics, May 2013.

Outstanding Contribution to Research Award, AAA Strategic and Emerging Technologies Section, August 2012.

Distinguished Service Award, AAA Strategic and Emerging Technologies Section, August 2010.

AAA-IS Section Midyear Meeting Best Education Paper, “KaDo: An Advanced Enterprise Modeling, Database Design, Database Implementation, and Information Retrieval Case for the Accounting Information Systems Class,” Redondo Beach, January 10-12, 2008 (with Kinsun Tam).

Lester W. Chadwick Excellence in Teaching Award, Department of Accounting & MIS, 2006

AAA-IS Section Midyear Meeting Outstanding Research Paper, “Policy-Level Specifications in REA Enterprise Information Systems,” Phoenix, January 4-7, 2006 (with William McCarthy).

Research Grant, College of Business and Economics, University of Delaware (2005)

2004 Student Choice Excellence in Undergraduate Teaching Award (Alfred Lerner College of Business and Economics, University of Delaware)

Outstanding Paper Award – Accounting Information Systems Educators Association, “An Integrated e-Business Case Using REA and Native XML,” Colorado, June 29-July 1, 2003 (with Clinton White).

Research Grant, College of Business and Economics, University of Delaware (2003)

XBRL Academic Competition 2001-2002 - Grand prize winner (with Skip White, Luke Brown, and Jeremy Liebman)

Outstanding Paper Award – Accounting Information Systems Educators Conference, Estes Park, Colorado, August 2001 (with William McCarthy).

1997-1998 Roland F. Salmonson Outstanding Faculty Teaching Award (Accounting Department, Michigan State University)

IBM Scholarship (1990) to visit Michigan State University

EDUCATION

Ph.D., Free University Brussels, May 1993.
Major Field: Accounting Information Systems.

BS in Economics, Free University Brussels, 1982-1986.

WORK EXPERIENCE

Academic Positions

Spring 2014 – Present	EY Faculty Scholar, University of Delaware
Fall 2009 – Present	Professor, Department of Accounting and MIS, University of Delaware
Fall 2009 – Summer 2012	Chair, Department of Accounting and MIS, University of Delaware

Fall 2003 – Summer 2009	Associate Professor, Department of Accounting and MIS, University of Delaware
Fall 2000 – Summer 2003	Assistant Professor, Department of Accounting and MIS, University of Delaware
Fall 1994 – Spring 2000	Assistant Professor, Department of Accounting, Michigan State University
1993 - 1994	Doctor Assistant, Department of Business Informatics, Faculty of Economics, Social and Political Sciences, Free University Brussels.
1989 - 1993	OZR Researcher, Department of Business Informatics, Faculty of Economics, Social and Political Sciences, Free University Brussels. Project: Accounting Expert Systems.
1986-1989	Assistant Professor, Department of Business Informatics, Faculty of Economic, Social and Political Sciences, Free University Brussels.

PUBLICATIONS

Research Monograph

“The REA Accounting Model as an Accounting and Economic Ontology”, Research Monograph, American Accounting Association (with William McCarthy and Graham Gal), 2022.

Journal Articles

“ORSO: The Organizational Structure Ontology.” 2025. *The Accounting Review*, 100(1): 261-290 (with Dan O’Leary).

“Breadth versus Depth: A Gap Analysis of Technology Requirements from the Perspective of Academics and Practitioners”, *Accounting Horizons*, December 2024, 38 (4): 149–172. (with Barbara Lamberton, Janie Chang, and Robyn Raschke).

“V-Matrix: A Wave Theory of Value Creation for Big Data.” 2022. *International Journal of Accounting Information Systems*, Volume 47 (with Dan O’Leary).

“Drive business success with data analytics,” *Journal of Accountancy* (June 2021): 36-51.

“An REA Ontology-Based Model for Mapping Big Data to Accounting Information Systems Elements.” 2017. *Journal of Information Systems*. Vol. 31, No. 3, pp. 45-61 (with Uday Murthy).

“Introduction to the Theme Issue on Enterprise Ontologies.” 2016. *Journal of Information Systems*, Vol. 30, No. 2, pp. 1-3. (editorial).

- “A Note on an Architecture for Integrating Cloud Computing and Enterprise Systems using REA.” 2015. *International Journal of Accounting Information Systems*, Volume 19, 59-67 (with Dan O’Leary)
- “Business Process Modeling: An Accounting Information Systems Perspective.” 2014. *International Journal of Accounting Information Systems*, Volume 15 (3), 185-192 (editorial) (with Frederik Gailly)
- “A Supply Chain of Things: The Eaglet Ontology for Highly Visible Supply Chains.” 2014. *Decision Support Systems*, Volume 63, pp. 3-22 (with Dan O’Leary).
- “Integrating Information Technology Into Accounting Research.” 2013. *Accounting Horizons*, Volume 27, No. 4, pp. 815-840 (with Lynford Graham, Elaine Mauldin, William McCarthy, and Vernon Richardson).
- “Ontology Driven Business Rule Specification” *Journal of Information Systems*. 2013. Volume 27, No. 1, pp. 79-104 (with Frederik Gailly).
- “A Design Science Research Methodology and its Application to Accounting Information Systems Research.” 2011 *International Journal of Accounting Information Systems*, Volume 12, pp. 142-151.
- “Guest Editorial on REA Enterprise Systems,” *Journal of Information Systems*, Volume 22, No. 2, Fall 2008, pp. 215-217.
- “KaDo: An Advanced Enterprise Modeling, Database Design, Database Implementation, and Information Retrieval Case for the Accounting Information Systems Class,” *Journal of Information Systems*, Volume 22, No. 2, Fall 2008, pp. 141-150 (with Kinsun Tam).
- “The Timeless Way of Building REA Enterprise Systems,” *Journal of Emerging Technologies in Accounting*, Volume 4, 2007, pp. 161-182 (with Harry Wang).
- “Using Blog Technology for Collaborative Learning of Accounting and Corporate Governance Issues: Design and Implementation of the Sarbanes-Oxley Blog,” *The Review of Business Information Systems*, Volume 11, No. 3, Third Quarter 2007, pp. 75- 84 (with Winnifred Scott).
- “Policy-Level Specifications in REA Enterprise Information Systems,” *Journal of Information Systems*, Volume 20, No. 2, Fall 2006, pp. 37-63 (with William McCarthy).
- “Blogging 101 for CPAs,” *The CPA Journal*, July 2005, pp. 12-13 (with Myunghee Kim).
- “SportsStuff.com: A Case Study on XML Technologies, E-Business Processes and Accounting Information Systems,” *Journal of Information Systems*, Volume 18, No. 2, Fall 2004, pp. 61-73 (with Clinton White).

- “An XML Architecture for Operational Enterprise Ontologies” *Journal of Emerging Technologies in Accounting*, Volume 1, 2004, pp. 73-90.
- “A Structured Approach to Teaching Cardinalities in the AIS Class,” *The Review of Business Information Systems*, Volume 8, No. 4, Fall 2004, pp. 1-16.
- “An Introduction to Web Services,” *The CPA Journal*, August 2004, pp. 70-71 (with Robert Paretta and Clinton White).
- “Stevie: A Dynamic, Between-Instructor Collaborative Internet Tool for Learning Cardinalities,” *Journal of Information Systems*, Volume 16, No. 1, Spring 2002, pp. 75-89. (with Barbara Waddington and Clinton White).
- “Design and Evaluation of an Internet Study Tool as a Data Collection Device,” *The Review of Business Information Systems*, Volume 6(1), Winter 2002, pp. 7-16 (with Barbara Waddington).
- “An Ontological Analysis of the Primitives of the Extended-REA Enterprise Information Architecture,” *The International Journal of Accounting Information Systems*, 3 (2002), pp. 1-16 (with William McCarthy).
- “Using Object Templates from the REA Accounting Model to Engineer Business Processes and Tasks,” *The Review of Business Information Systems*, Volume 5(4), Fall 2001, pp. 89-108 (with William McCarthy).
- “Augmented Intensional Reasoning in Knowledge-Based Accounting Systems” *Journal of Information Systems*, Volume 14, No. 2, Fall 2000, pp. 127-150 (with William McCarthy).
- “Delivery of Accounting Information Systems Study Tools Through the Internet,” *The Review of Accounting Information Systems*, Volume 4(1), Winter 2000, pp. 37-46 (with Barbara Waddington).
- “Sophisticated Web Design,” *Journal of Accountancy*, April 2000, pp. 55-59 (with Barbara Waddington and Steven Dilley).
- “The Belgian Chocolate Company: A Dynamic Data Modeling and Database Design Case for the Accounting Information Systems Class,” *Journal of Information Systems*, Volume 14, No. 1, Spring 2000, pp. 53-74 (with Barbara Waddington).
- “An Accounting Object Infrastructure for Knowledge-Based Enterprise Models,” *IEEE Intelligent Systems*, July/August 1999, pp. 89-94 (with William McCarthy).
- “Automated Integration of Enterprise Accounting Models Throughout the Systems Development Life Cycle,” *The International Journal of Intelligent Systems in Accounting, Finance & Management*, September 1996, pp. 113-128. (with William McCarthy and Steve Rockwell).

Working Papers

Data-driven Identification of Risky Transactions in Purchasing Systems: POATs, Cut Points and Audit Analytic Platforms (with Dan O’Leary and Marcia Watson)

TextBooks

Power BI. Online course Wiley/zyBooks. Spring 2023.

Data & Analytics in Accounting. Wiley. Spring 2023. (with Ann Dzurainin and Margarita Lenk)

Book Chapters

"Modeling Business Enterprises as Value-Added Process Hierarchies with Resource-Event-Agent Object Templates," in Jeff Sutherland and Dilip Patel (eds.), "*Business Object Design and Implementation*," Springer-Verlag, 1997, pp. 94-113 (with William McCarthy).

"Database Accounting Systems," in B. Williams and B. J. Sproul (eds.), "*IT and Accounting. The Impact of Information Technology*," Chapman and Hall, London, 1991, pp. 159-183, (with William McCarthy).

Papers in Conference Proceedings

"Leapfrogging Ahead with Generative AI" (2025). *ICIS 2025 Proceedings* (teaching case) https://aisel.aisnet.org/icis2025/learn_curricula/learn_curricula/4 (with Daniel E. O’Leary).

"AI and Public Decentralized Networks for Voluntary Carbon Trading." In *Proceedings of the AAAI Symposium Series* (2025), vol. 7, no. 1, pp. 71-78 (with Daniel E. O’Leary).

"The Timeless Way of Building REA Enterprise Systems," (Abstract) in *Proceedings of the IFIP International Conference on Research and Practical Issues of Enterprise Information Systems*, Vienna, Austria, (April 2006), pp. 359 – 360.

"REA Ontology Use in ebXML and the UN/CEFACT Modeling Methodology (N90)," (Position Paper) in *Proceedings of the First Semantic Web Working Symposium, Stanford University*, Palo Alto, California (August 2001), p. 63, (with William McCarthy).

"Use of an Accounting Object InfraStructure for Knowledge-Based Enterprise Models," in *Proceedings of the AAAI-97 Spring Symposium Series on Ontological Engineering*, Stanford University, Palo Alto, California (March 1997), pp. 41-49, (with William McCarthy).

"Augmented Intensional Reasoning in Knowledge-Based Accounting Systems," (Abstract) in *Proceedings TIMS-ORSA Meeting*, Detroit, Michigan, (October 1994), (with William McCarthy).

“Database Accounting Support for Decision Problems in the New Manufacturing Environment,” in *Proceedings of the International Conference on Economics/Management and Information Technology* (CEMIT92/CECOIA3), Tokyo, Japan, (September 1992), pp. 285-288 (with William McCarthy).

“The Extended Use of Intensional Reasoning and Epistemological Adequate Representations in Knowledge-Based Accounting Systems,” in *Proceedings of the Twelfth International Workshop on Expert Systems and Their Applications*, Avignon, France, (June 1992), pp. 321-332 (with William McCarthy).

“Semantic Modeling of an Accounting Universe of Discourse. The Usefulness of Inter-Relationship Constraints,” *Proceedings of the 10th International Conference on the Entity Relationship Approach*, San Mateo, California (October 1991), pp. 263-283.

“Quality Control of Conceptual Schemas,” *Proceedings of the Third International Workshop on Software Engineering and its Applications*, Toulouse, France, (December 1990), pp. 305-319.

PRESENTATIONS

Keynote Presentations

Ontology-Driven Data Analytics. 14th International Workshop on Value Modelling and Business Ontologies (VMBO), Ghent, Belgium, January 16th, 2020.

Keynote presentation on “Enterprise Ontologies” at the Second International Workshop on Semantics of Enterprise Integration, November 2002, Seattle, Washington.

Workshop and Paper Presentations

“Introduction to Data Analytics with Power BI. From Data to Insights”, IMA Accounting & Finance Conference, June 10, 2024, San Antonio, TX

“Introduction to Power BI”, American Accounting Association Intensive Data and Analytics Summer Workshop, June 24, 2024, Atlanta, GA (with Gail Hoover King)
(<https://aaahq.org/Meetings/2024/Intensive-Data/Program>)

“Information Modeling with Power BI DAX”, American Accounting Association Intensive Data and Analytics Summer Workshop, June 25, 2024, Atlanta, GA
(<https://aaahq.org/Meetings/2024/Intensive-Data/Program>)

“Data Preparation with Power Query: A Patterns Approach”, American Accounting Association Intensive Data and Analytics Summer Workshop, June 25, 2024, Atlanta, GA (with Gail Hoover King) (<https://aaahq.org/Meetings/2024/Intensive-Data/Program>)

“Teaching Data Analytics with Power BI”, American Accounting Association Intensive Data and Analytics Summer Workshop, June 26, 2024, Atlanta, GA (<https://aaahq.org/Meetings/2024/Intensive-Data/Program>)

“Teaching data analytics: where the rubber meets the road”, TED talk, American Accounting Association Intensive Data and Analytics Summer Workshop, June 5, 2023, Orlando, FL.

“Data Analytics Pathways: Developing an Analytics Mindset across Your Curricula”, American Accounting Association Intensive Data and Analytics Summer Workshop, May 23, 2022, Orlando Florida (with Ann Dzurainin and Margarita Lenk).

“Introduction to Power BI: From Data to Insights” American Accounting Association Intensive Data and Analytics Summer Workshop, June 5, 2023, Orlando, FL (with Gail Hoover King).

“Introduction to Data Analytics with Power BI: From Data to Insights” Institute Of Management Accountants Accounting & Finance Conference, June 12, 2023, Minneapolis, MN (with Gail Hoover King) (invited).

“Data Preparation: A Deep Dive and Teaching Strategies” AIS Educator Association, February 24, 2023, Online, 3-hour workshop. (invited).

“Design Science Research in Accounting”, weARE research seminar, American Accounting Association, February 12, 2023. (invited).

“Integrating Data Analytics into the Accounting Curriculum”, American Accounting Association Intensive Data and Analytics Summer Workshop, May 23, 2022 (with Gail Hoover King).

“Data Analytics with Power BI” series, American Accounting Association (invited).

- Introduction to Data Analytics with Power BI (October 28, 2022) (with Lee Kersting).
- Data Preparation: A Deep Dive and Teaching Strategies (November 4, 2022).
- Applying Data Analytics to Accounting (November 18, 2022)

“Data Analytics with Power BI” series, European Accounting Association (with Gail Hoover King) (invited):

- Introduction to Data Analytics with Power BI (October 31, 2022).
- Data Preparation: A Deep Dive and Teaching Strategies (November 7, 2022).
- Applying Data Analytics to Accounting (November 14, 2022)

“Intro to Power BI,” American Accounting Association Intensive Data and Analytics Summer Workshop, May 24, 2022 (with Lee Kersting and Gail Hoover King).

“A Patterns-Based Approach to Teaching Data Preparation with Power Query,” American Accounting Association Intensive Data and Analytics Summer Workshop, May 25, 2022.

“Integrating Data Analytics into Your Accounting Courses Using Power BI,” Classroom Session, European Accounting Association, May 11, 2022.

“Data Analytics in Accounting: How to Help Your Students Become Better Critical Thinkers”, Faculty Hour, American Institute of Certified Public Accountants (AICPA), June 2021 (with Susan Wolcott) (invited).

“Practical Guidelines for Designing Your Data Analytics Course/Curricula”, American Accounting Association, SPARK meeting, virtual meeting, June 2020, (with Gail Hoover King).
“Data Analytics with Power BI”, 18th Annual Accounting Educator’s Seminar, University of Missouri-Kansas City, MO, March 1st, 2019. (invited).

“Microsoft Power BI (full-day workshop)” (invited)
AIS Educator Conference, Denver, CO, June 20, 2019.
AAA Mid-Atlantic Meeting, Pittsburgh, May 4, 2019
AAA Western Region Meeting, Newport Beach, CA, April 13, 2019.
AAA Southeast Region, Savannah, GA, April 6, 2019.
AAA Midwest Region, Indianapolis, IN, October 6, 2019.
AAA Annual Meeting, Washington DC, August 4, 2018.

“Active learning in accounting education: Designing Your Data Analytics Course”, British Accounting and Finance Association (BAFA) Accounting Education Special Interest Group (SIG) Conference, 22 - 24 May 2019, Ghent University, Ghent, Belgium (with Gail Hoover King)

“Integrating Data and Analytics into the Accounting Curriculum”,
AAA Intensive Data and Analytics Workshop, Orlando, FL. TED Talk, June 4, 2018.

“The Data Process Chain Approach (to teaching data analytics),”
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 10, 2019.
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 4, 2018.

“Microsoft’s Power BI Basics, “
TACTYC, Fort Worth, May 16, 2019 ((invited).
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 10, 2019.
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 4, 2018.

“Microsoft’s Power BI Advanced,
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 12, 2019.
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 5, 2018.

“Teaching Big Data Applications with REA and Power BI,”
AAA Intensive Data and Analytics Workshop, Orlando, FL. June 5, 2018.

“Teaching Accounting Students Big Data Skills, (invited).”
AAA Western Region Meeting, Vancouver, WA, April 12, 2018.
AAA Southeast Region Meeting, Greenville, SC, April 19, 2018.
AAA Ohio Region Meeting, Cleveland, OH, April 26, 2018.
AAA Joint Midyear Meeting of the AIS and SET Sections, San Antonio, TX, January 10, 2019.
AAA International Section Mid-Year Meeting, Miami, FL, January 24, 2019.

“AIS: Analytics and Tools”,
AAA Joint Midyear Meeting of the AIS and SET Sections, Newport Beach, CA, January, 2018.

“Accounting *IS* Big Data: A How-To Workshop”,
AAA Midwest Region Meeting, Chicago, IL, October, 2017.
AAA Northeast Region Meeting, Providence, RI, October, 2017.

“Embedding Big Data and Analytics into your Courses and Curriculum”,
AAA Midwest Regional Meeting, Chicago, IL, October, 2017.

“How IT Fits? Information Technology in the Accounting Curriculum: Part II” (invited),
AAA Western Region Meeting, Seattle, WA, May, 2016.
AAA Southeast Region Meeting, Atlanta, GA, April, 2016.
AAA Ohio Region Meeting, Cleveland (Beachwood), OH, April, 2016.
AAA Northeast Region Meeting, Providence, RI, October, 2015.
AAA Midwest Region Meeting, St. Louis, MO, October, 2015.

“ORSO: The Organizational Structure Ontology,” Research Workshop, University of Southern California, December, 2015. (invited).

“How IT Fits? Information Technology in the Accounting Curriculum,” AAA Teaching Learning and Curriculum Section Breakfast Speaker, Annual Meeting of the American Accounting Association, Chicago, IL, August 2015. (invited)

“Thinking Ahead: Interesting Ideas and Trends in Higher Education”, AAA Northeast Region Meeting, Albany, NY, October, 2014 (with Gail Hoover King).

“How IT Fits? Information Technology in the Accounting Curriculum”,
AAA Northeast Region Meeting, Albany, NY, October, 2014.
AAA Midwest Region Meeting, Minneapolis, MN, October, 2014.

“Thinking Ahead: Interesting Ideas and Trends in Higher Education”, AAA Midwest Region Meeting, Minneapolis, MN, October, 2014 (with Gail Hoover King).

“The REA Enterprise Ontology: Foundations and Research Opportunities”, Research Workshop, Brunel University, London, England, June 2014. (invited).

“Student-Faculty Collaborations in Accounting,” FASTCA-13, Annual Meeting of the American Accounting Association, Anaheim, CA, August 2013.

“Semantic Reasoning with Refined REA-EO Primitives,” Fifth International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS 2012), Ghent, Belgium, September 2012; Seventh International Workshop on Value Modeling and Business Ontology, Delft, Netherlands, February 2013 (with Sergio de Cesare).

Presenter/Faculty member 2012 CONFENIS Doctoral Consortium on Design Science in Enterprise Information Systems Research, Ghent, September 17, 2012. (invited).

“Ontology-Driven Business Rule Specification,” Sixth International Workshop on Value Modeling and Business Ontology, Vienna, February 2012 (with Frederik Gailly).

“A Design Science Research Methodology and its Application to Accounting Information Systems Research,” Semantic Modeling of Accounting Phenomena Workshop, San Francisco, August 2010; 2nd annual Pre-ICIS Workshop on Accounting Information Systems, Saint Louis, MO, December 2010.

“Formal Definition of Policy Constraints in REA Enterprise Systems,” Annual Meeting of the American Accounting Association, San Francisco, CA, August 2010.

“RFID, Supply Chain Visibility, and the REAL-SCO,” Annual Meeting of the American Accounting Association, Anaheim, August 2008 (with Dan O’Leary).

“RFID, Supply Chain Visibility, and the REAL-SCO,” Research Workshop, Drexel University, April 7, 2008. (invited).

KaDo: An Advanced Enterprise Modeling, Database Design, Database Implementation, and Information Retrieval Case for the Accounting Information Systems Class,” Annual Meeting of the American Accounting Association, Chicago, August 2007 (with Kinsun Tam); AAA-IS Section Mid-Year Conference, Redondo Beach, January 2008 (with Kinsun Tam).

“Policy-Level Specifications in REA Enterprise Information Systems,” Research Workshop, Free University Brussels, Belgium, November 24, 2006 (invited).

“Advanced Projects for the Accounting Information Systems Class,” CPE Workshop presented at the AAA National Meeting, San Francisco, August 7, 2005 (with Uday Murthy)

“The Timeless Way of Building REA Enterprise Systems,” The Fifteenth Annual Research Workshop on AI/ET in Accounting, Auditing and Tax, Washington D.C., August 2006.

“The Odyssey of the Introductory AIS Course – REA Teaching Techniques,” AIS Educators Association Fifth Annual Meeting, Colorado, June 29-July 1, 2003 (with Barbara Waddington).

“REA Enterprise Systems,” Research Workshop, IT University of Copenhagen, Denmark, April 3, 2003. (invited),

“The AIS Odyssey,” Mini-Workshop, Mid-Atlantic Region Annual Meeting, Philadelphia, 2003 (with Linda Parsons).

“An XML Architecture for Operational Enterprise Ontologies,” Lerner College of Business and Economics Research Presentations, University of Delaware, January 2005, AAA-IS Section Mid-Year Conference, San Diego, California, January 2003, European Conference on Accounting Information Systems, Copenhagen, Denmark, April 2002; 12th Mini Euro Conference (EURO-IFORS), Brussels, Belgium, April 2002; Semantic Modeling of Accounting Phenomena Workshop, Phoenix, February 2002; International Workshop on Semantics of Enterprise Integration, Tampa Bay, October 2001.

“Websites/ Internet Uses,” Presentation at the Deloitte & Touche Enhancing the Learning Experience Seminar, Colorado Springs, July 2001. (invited)

“Type-Level Specifications in Enterprise Information Systems,” Semantic Modeling of Accounting Phenomena Workshop, Philadelphia, August 2000; Annual Meeting of the American Accounting Association, San Francisco, August 2005 (with William McCarthy); AAA-IS Section Mid-Year Conference, Phoenix, January 2006 (with William McCarthy).

“The Ontological Foundation of REA Enterprise Information Systems,” Annual Meeting of the American Accounting Association, Philadelphia, August 2000 (with William McCarthy).

“Design and Evaluation of an Internet Data Collection Tool,” AAA Midwest Regional Meeting, Indianapolis, April 2000 (with Barbara Waddington).

“The Belgian Chocolate Company: A Dynamic Data Modeling and Database Design Case for the Accounting Information Systems Class,” AAA Midwest Regional Meeting, Indianapolis, April 2000 (with Barbara Waddington).

“An Ontological Analysis of the Primitives of the Extended-REA Enterprise Information Architecture,” 7th Annual AIS Research Symposium, Phoenix, February 2000 (with William McCarthy).

“Dynamic Web Applications for the AIS Classroom,” 3rd Annual AIS Teaching Seminar, Phoenix, February 2000; Semantic Modeling of Accounting Phenomena Workshop, San Diego, August 1999 (with Barbara Waddington).

“The Ontological Foundation of REA Enterprise Information Systems,” Research Workshop, Arizona State University, University of Delaware, University of Florida, University of San Diego, Fall 1999.

“Stevie: A Dynamic, Between-Instructor Collaborative Internet Tool for Learning Cardinalities,” European Conference on Accounting Information Systems, Copenhagen, Denmark, April 2002; Semantic Modeling of Accounting Phenomena Workshop, Phoenix, February 2002; AIS Educator Conference, Denver, August 2001; AAA Midwest Regional Meeting, Minneapolis April 1999, Congress of the European Accounting Association, April 1998, Antwerp (with Barbara Waddington and Clinton White).

“An Interactive Internet Tool for Learning in Accounting Information Systems,” University of Michigan at Flint, March 1998.

“Accounting as Romance: Patterns of Unrequited Love and Incomplete Exchanges in Life and in Business Software,” OOPSLA'97 Business Object Workshop, Atlanta, October 1997 (with William McCarthy).

“The Timeless Way of Building Accounting Information Systems: The ‘Activity’ Pattern,” OOPSLA'97 Business Object Workshop, Atlanta, October 1997.

“Teaching Accounting Information Systems,” University of Maastricht, The Netherlands, Fall 1997. “Using Object Templates from the REA Accounting Model to Engineer Business Processes and Tasks,” AIS Educator Conference, Denver, August 2001; Congress of the European Accounting Association, Graz, April 1997 (with William McCarthy).

“REAPER. An Object-Oriented Accounting Framework,” 7th Mini Europe Conference. Decision Support Systems, Groupware, Multimedia and Electronic Commerce, Bruges, Belgium, March 1997 (with William McCarthy).

“The REA Approach to Business Process and Task Specification,” 7th Mini Europe Conference. Decision Support Systems, Groupware, Multimedia and Electronic Commerce, Bruges, Belgium, March 1997 (with William McCarthy).

“Augmented Intensional Reasoning in Knowledge-Based Accounting Systems,”

- AAA AI/ES Workshop, Orlando, August 1995
- ORSA/TIMS Conference, Detroit, October 1994,
- The International Workshop on Knowledge-Based Systems and Strategic Management, ABO, Finland, June 1994 (with William McCarthy).

“The Economic and Strategic Structure of REA Accounting Systems,” Research Workshop, Accounting Department, Michigan State University, 1994.

“The Economic and Strategic Structure of REA Accounting Systems” Presentation to the 300th Anniversary Program, Martin Luther University, Halle-Wittenberg, Germany, September 1994. (invited)

“Een Ontwerpmethodologie voor Database Accounting Systems,” Eerste N.V.A.M.-congres Intern Ondernemerschap, Amsterdam, the Netherlands, January 1993.

“The Cost Revolution from a Data Modeling Point of View,” Congress of the European Accounting Association, Madrid, Spain, April 1992 (with William McCarthy).

“Conceptualizing and Practical Implications of the Use of a Knowledge-Based Events Accounting System,” IFORS Specialized Conference on Decision Support Systems, Bruges, Belgium, March 1991 (with William McCarthy).

Papers Accepted for Presentation at Conferences and Presented by a Co-Author

“The V–Matrix: A Theory for the Life Cycle of Organizations Transitioning to and through Big Data,” (with Dan O’Leary). Annual Meeting, American Accounting Association, virtual meeting.

“An REA Ontology Based Model for Mapping Accounting Information Systems Elements to Big Data,” Journal of Information Systems Conference, Pleasanton, CA, October 2016 (with Uday Murthy)

“Formal Definition of Business Rules Using REA Business Modeling Language,” Seventh International Workshop on Value Modeling and Business Ontology, Delft, Netherlands, February 2013 (with Frederik Gailly).

“Toward a Perdurantist Ontology of Contracts,” Accepted for Presentation at the Sixth International Workshop on Ontology, Models, Conceptualization and Epistemology in Social, Artificial and Natural Systems (ONTOSE 2012) (with Sergio DeCesare)

“Semantic Specification and Automated Enforcement of Internal Control Procedures within Accounting Systems,” Tenth Continuous Auditing and Reporting Symposium, Newark, November 2005; Semantic Modeling of Accounting Phenomena Workshop, Phoenix, January 2006; Fourteenth World Continuous Auditing and Reporting Symposium, Newark, November 2007 (with Graham Gal and William McCarthy)

“The Ontological Foundation of REA Enterprise Information Systems,” Annual Meeting of the American Accounting Association, San Francisco, August 2005 (with William McCarthy).

“SportsStuff.com: A Case Study on XML Technologies, E-Business Processes and Accounting Information Systems,” AAA-IS Section Mid-Year Conference, January 2004, Clearwater, Florida (with Clinton White)

“An Integrated e-Business Case Using REA and Native XML,” Accounting Information Systems Educators Association, Colorado, June 2003 (with Clinton White).

Panel Presentations

Learning and teaching emerging technologies. AIS New Scholars Consortium, February 6, 2025, Boca Raton, FL

“The Pathways Report. Accounting Education Ten Years Later,” 2022 American Accounting Association Annual Meeting, August 1, San Diego, CA

“Teaching Inspirations from the Cook Prize Recipients,” 2022 American Accounting Association Annual Meeting, August 1, San Diego, CA.

“Developing a Data Analytics Curriculum,” 2020 Pre-ICIS Workshop on AIS, December 12, 2020. Virtual Meeting.

“Engaging Practitioners and Professors to Enrich the CPA pipeline“, AICPA Council Meeting, Amelia Island, FL, Oct 22, 2018.

“Data-Driven Decisions: Improving Student Engagement and the ROI of an Accounting Degree,” Annual Meeting of the American Accounting Association, New York, NY, August 2016.

“Ideas for Implementing AACSB Standard A7,” Annual Meeting of the American Accounting Association, New York, NY, August 2016.

“Becoming an Effective Teacher: What 150 Years of Experience Tells Us,” Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

“Understanding Cyber Security Realities and How to Incorporate This Topic into the Classroom,” Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

“What Technologies Should We Teach Our Students? Part 1: Results From an Extended Research Study,” Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

“Research Methodologies in Emerging Technologies,” Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

“Pathways Commission: Actualizing the Accounting Curriculum of the Future: Evolution not Revolution,” Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

“Why Do Papers Get Rejected and Others Get Published?,” New Scholars Consortium, Joint Mid-Year Meeting of the Accounting Information Systems Section and the Strategic and Emerging Technologies Section, Charleston, SC, January 2015.

“Building a Framework for the Future of Accounting Education: Knowledge, Pedagogy, and Technology,” Annual Meeting of the American Accounting Association, Atlanta, GA, August 2014.

“Developing Transforming Learning Experiences in Accounting: The Technology Perspective,” Annual Meeting of the American Accounting Association, Atlanta, GA, August 2014.

“Transformative Technologies” Southeast Region Meeting of the American Accounting Association, St, Petersburg, FL, April 2014.

“Pathways Commission—Curricula and Pedagogies for the Future Accounting Profession,” Annual Meeting of the American Accounting Association, Anaheim, CA, August 2013.

“Research opportunities panel,” Seventeenth Annual Research Workshop on Artificial Intelligence and Emerging Technologies in Accounting, Auditing and Tax, Anaheim, August 2008.

“Assembling a tenurable AIS research portfolio,” AAA-IS Section Mid-Year Conference, New Orleans, January 2005.

“Changes in the Structure of Accounting Education: Integrating Technology into the Accounting Curriculum,” the 22nd Annual Meeting of the Federation of Schools of Accountancy, Savannah, December 1998.

“The Future of AIS -- Developing Our Own Frameworks for Research and Teaching,” AIS Research Symposium, Phoenix, February 1996.

Other Presentations

“How to Improve Your Business with (Big) Data,” Big Ideas for Your Business Conference. Delaware Society for CPAs. Wilmington, DE, May 10, 2018.

“A Framework for Developing Big Data Strategies,” AAA Accounting IS Big Data Conference, San Francisco, CA, September 2016.

“Using Weblogs as Engagement Tool,” ITUE (Institute for Transforming Undergraduate Education) Symposium: Pedagogies of Engagement, University of Delaware, January 19, 2006 (with Winifred Scott).

COURSES TAUGHT

University of Delaware (Fall 2000 - present)

Undergraduate: Accounting Information Systems (ACCT302)
Systems Analysis and Implementation (BUEC430)
Graduate: Big Data Technologies (ACCT402/602)
Database Design, Networks & Implementation (ACCT604/804)
Business Process Modeling (ACCT867)

Michigan State University (Fall 1994 to Spring 2000)

Undergraduate: Accounting Information Systems
Graduate: Emerging Issues in Accounting Information Systems
International Business Course (the Netherlands, Belgium)

REA Basic School. A weeklong training course for AIS instructors organized by the American Accounting Association (2002, 2003, 2004, 2005, 2006, 2012). (Lead instructor: William E. McCarthy).

*Postgraduate International Program Chartered Controller, The Netherlands
(November 1996, March 1997 and July 1997)*

Accounting Information Systems & Internal Control

University of Warsaw, Poland (January 1994)

Systems Analysis

Free University Brussels (1986-1994)

Undergraduate and Graduate

Conceptual Modeling, Relational Databases, Systems Analysis, Programming Languages

SERVICE CONTRIBUTIONS

Service University of Delaware

Department

Department Chair Search Committee (Chair) (2026)
Academic Program Review Report – main author (2026)
Student Evaluations Research Committee (2024)
Department Chair Search Committee (2017)
Chair Promotion and Tenure Committee (2013 – 2014).
Department Chair Search Committee (2007-2009)
Department Chair Search Committee (2006)
Research Workshop Coordinator (2005-2010)

MIS faculty recruiting committee (2004).

Summer research grant committee (2003)

Committee for reappointment of the accounting department chair (2002).

MIS faculty recruiting committee (2001-2002).

College

Hospitality and Sport Business Management Promotion and Tenure Committee member

(Department Chair Hire) (2025)

Promotion and Tenure Committee (2013 – 2014, 2022-2023, 2023-now (Chair)).

Co-Chair Promotion and Tenure Committee (2014 – 2015).

Chair BUAD Chair Search Committee (Spring 2013)

Chair HRIM Chair Search Committee (2011-2012)

Undergraduate Programs Committee (2007 – 2008).

MBA Committee (2003–2005)

Lerner committee (2003).

MIS undergraduate committee (2001-2002).

University

Chairs Caucus (2011 – 2012).

Conference Activities

Program Committee Member, "International Workshop on Value Modeling and Business Ontologies (VMBO)", Twente, The Netherlands, March 2025

Advisory Board member, "AAA Intensive Data and Analytics Summer Workshop," Dallas, TX, 2025

Advisory Board member, "AAA Intensive Data and Analytics Summer Workshop," Atlanta, GA, 2024

Advisory Board member, "AAA Intensive Data and Analytics Summer Workshop," Orlando, FL, 2018-2023

Advisory Board member, "AAA Accounting IS Big Data Conference," San Francisco, CA, 2016.

Chair FASTCA-16, Faculty-Student Collaborations in Accounting, Annual Meeting of the American Accounting Association, New York, NY, August 2016.

Co-Chair, 7th Annual SET Transformative Technologies in Accounting Workshop, Annual Meeting of the American Accounting Association, New York, NY, August 2016.

Advisory Board member, “AAA Accounting *IS* Big Data Conference,” New York, NY, September 2015, 2017.

Chair FASTCA-15, Faculty-Student Collaborations in Accounting, Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

Co-Chair, 6th Annual SET Transformative Technologies in Accounting Workshop, Annual Meeting of the American Accounting Association, Chicago, IL, August 2015.

Co-Chair Workshop on Enterprise Modeling (ENMO), the 33rd International Conference on Conceptual Modeling, Atlanta, GA, October 2014

Chair FASTCA-14, Faculty-Student Collaborations in Accounting, Annual Meeting of the American Accounting Association, Atlanta, GA, August 2014.

Co-Chair, 5th Annual SET Transformative Technologies in Accounting Workshop, Annual Meeting of the American Accounting Association, Atlanta, GA, August 2014.

Chair FASTCA-13, Faculty-Student Collaborations in Accounting, Annual Meeting of the American Accounting Association, Anaheim, CA, August 2013.

Co-Chair, 4th Annual SET Transformative Technologies in Accounting Workshop, Annual Meeting of the American Accounting Association, Anaheim, CA, August 2013.

Member of the Program Committee for the Seventh International Workshop on Value Modeling and Business Ontology (February 2013)

Member of the Program Committee for the Sixth International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS 2012) (September 2012).

Member of the Program Committee for the 24th International Conference on Advanced Information Systems Engineering (CAiSE’12) (June 2012)

Member of the Program Committee for the Sixth International Workshop on Value Modeling and Business Ontology (February 2012)

Co-Chair of the Seventh International Workshop on Foundations and Practices of UML (FP-UML), Brussels, Belgium (November 2011)

Mid-Year Meeting Coordinator for the AAA SET Section (January 2009)

National Meeting Coordinator for the AAA Artificial Intelligence/Emerging Technologies Section (2008)

Member of the Program Committee for the 5th International Conference on Enterprise Systems, Accounting, and Logistics (ICESAL), Crete Island, Greece (July 2008)

Member of the Program Committee for BUSITAL'08, Montpellier, France (June 2008).

Member of the Program Committee for the 4th International Conference on Enterprise Systems, Accounting, and Logistics (ICESAL), Corfu Island, Greece (July 2007)

Chair REA-25 Conference, Newark, Delaware (June 2007)

National Meeting Coordinator for the AAA Artificial Intelligence/Emerging Technologies Section (2006)

Member of the Program Committee for the 3rd International Conference on Enterprise Systems and Accounting (ICESAcc), Santorini Island, Greece, (June 2006)

Member of the Scientific Committee for the 2nd International Conference on Enterprise Systems and Accounting (ICESAcc), Thessaloniki, Greece (July 2005)

Co-Organizer of the First International REA Technology Workshop, Copenhagen, Denmark (April 2004).

Co-Organizer of OOPSLA Workshop on Semantics of Enterprise Integration III (2003)

Member of the Scientific Committee for the European Conference on Accounting Information Systems (2002-2008)

National Meeting Coordinator for the AAA Artificial Intelligence/Emerging Technologies Section (1999)

Midwest Support Liaison Coordinator for the AAA Information Systems section (1999).

Midwest Liaison for the AAA Information Systems section (1999).

Co-chair of ECAIS – The European Conference on Accounting Information Systems (1998, 1999, 2000, 2001)

Co-founder of ECAIS -- The European Conference on Accounting Information Systems (1998).

Editorial Responsibilities

Editorial Board *The Accounting Review* (June 2023 – Present).
Editorial Board *Journal of Emerging Technologies in Accounting* (August 2008 – Present)
Associate Editor *International Journal of Accounting Information Systems* (January 2014 – August 2018).
Associate Editor *Journal of Information Systems* (January 2008 – January 2014)
Editorial Board *Enterprise Information Systems* (February 2007 – January 2012)
Editorial Board *Intelligent Systems in Accounting, Finance and Management* (November 2013 – Present)
Editorial Board *Issues in Accounting Education* (August 2004 – January 2008)
Editorial Board *Journal of Information Systems* (Spring 2001 – December 2007; January 2014 - Present)
Editorial Board *International Journal of Accounting Information Systems* (June 1999 – January 2014; September 2018-Present)
Guest Editor, Special Issue on REA Enterprise Systems, *Journal of Information Systems*, Volume 22, No. 2, Fall 2008.
Guest Editor. Special Issue on Business Process Modeling, *International Journal of Accounting Information Systems*, Volume 15 (3), 2014
Guest Editor. Special Issue on Enterprise Ontologies, *Journal of Information Systems*, Volume 30 (2), 2016.

Reviewer

Journals

Accounting Horizons
Decision Sciences
European Accounting Review
Enterprise Information Systems
IBM Systems Journal
International Journal of Accounting Information Systems
International Journal of Intelligent Systems in Accounting, Management and Finance
Issues in Accounting Education
Journal of the Association for Information Systems
Journal of Enterprise Information Management
Journal of Information Systems
Knowledge and Information Systems
The Accounting Review

Conferences and Workshops

Annual AAA Mid-Year Conference – IS Section
Annual AAA Mid-Year Conference – SET Section
Annual AIS Research Symposium
European Conference on Accounting Information Systems
International Conference on Enterprise Systems and Accounting
International Research Symposium on Accounting Information Systems
Workshop on Semantics of Enterprise Integration
Workshop on Business/IT Alignment and Interoperability (BUSITAL)
JIS Research Development Workshop

Books

Dunn, C.L., Cherrington J.O. and A.S. Hollander. *Enterprise Information Systems: a Pattern-Based Approach*, Third Edition. McGraw-Hill.

Hruby, P. *Model-Driven Design Using Business Patterns*. McGraw-Hill.

Other

Reviewer for the second and third XBRL International Academic Competition

Scientific Committee Conferences

International Conference on Advanced Information Systems Engineering (CAiSE'12)

International Workshop on Ontology-Driven Information Systems Engineering (ODISE) 2011.

Workshop on Business/IT Alignment and Interoperability (Busital) 2008.

International Conference on Research and Practical Issues of Enterprise Information Systems (Confenis). 2006-2007.

European Conference on Accounting Information Systems. 2002 – 2008.

International Conference on Enterprise Systems and Accounting. 2005 – 2008.

Membership in Professional Societies

Member of the American Accounting Association (AAA)

Other

Member Advisory Board Faculty of Economics and Business Administration, Ghent University,
2023-Present.

AICPA Foundation Board of Trustees (Fall 2020 – Fall 2022)

AICPA, CPA Evolution, Member Model Curriculum Task Force, Business Analysis and Reporting
(BAR)

Participation in CPA Examination Data Analytics Workshop, AICPA. Ewing, NJ, June 21-22.

Member AICPA Academic Executive Committee (October 2016 – October 2019).

Chair, 2015 AAA Innovation in Accounting Education Award.

Chair Pathways Commission Recommendation 4 (Curriculum and Pedagogy) Task Force 3
(Technology) (2013-2016).

American Accounting Association, Annual Meeting Program Advisory Committee, Education,
Workshops and Symposia Team Leader (2013 – 2014)

SET Section American Accounting Association, chair Education Committee (2013 – 2014)

American Accounting Association, Annual Meeting Program Advisory Committee, Education,
Workshops and Symposia Team Leader (2012 – 2013)

SET Section American Accounting Association, chair Dissertation Award Committee (2012 – 2013)

Member Education Committee SET Section American Accounting Association (2010-2014).

President SET Section American Accounting Association (2009 – 2010)

President-Elect AI/ET Section American Accounting Association (2008 – 2009)

Vice President AI/ET Section American Accounting Association (2007 – 2008)

Faculty Advisor Tau Epsilon Phi (2007 – 2008)

Chair Research Committee AI/ET Section American Accounting Association (2007 – 2008)

Secretary/Treasurer AI/ET Section American Accounting Association (2006 – 2007)

Group Leader New Faculty Consortium, American Accounting Association, Washington DC, February
3-6, 2005

Group Leader New Faculty Consortium, American Accounting Association, Washington DC, February
5-8, 2004

Treasurer Information Systems Section American Accounting Association (2003-2004)