# ADVANCES IN ACCOUNTING EDUCATION

Teaching and Curriculum Innovations

Edited by Thomas G. Calderon

ADVANCES IN ACCOUNTING EDUCATION

**VOLUME 25** 

# ADVANCES IN ACCOUNTING EDUCATION

## ADVANCES IN ACCOUNTING EDUCATION: TEACHING AND CURRICULUM INNOVATIONS

Series Editors: Thomas G. Calderon

#### Recent Volumes:

Volume 1: Edited by Bill N. Schwartz and David E. Stout Volumes 2–7: Edited by Bill N. Schwartz and J. Edward Ketz

Volumes 8–10: Edited by Bill N. Schwartz and Anthony H. Catanach Jr Volumes 11 & 12: Edited by Anthony N. Catanach Jr and Dorothy

Feldmann

Volume 13: Edited by Dorothy Feldmann and Timothy J. Rupert
Volume 14: Edited by Dorothy Feldmann and Timothy J. Rupert
Volume 15: Edited by Dorothy Feldmann and Timothy J. Rupert

Volume 16: Edited by Timothy J. Rupert

Volume 17: Edited by Timothy J. Rupert and Beth Kern
Volume 18: Edited by Timothy J. Rupert and Beth Kern
Volume 19: Edited by Timothy J. Rupert and Beth Kern
Volume 20: Edited by Timothy J. Rupert and Beth Kern
Volume 21: Edited by Timothy J. Rupert and Beth Kern

Volume 22: Edited by Thomas G. Calderon
Volume 23: Edited by Thomas G. Calderon
Volume 24: Edited by Thomas G. Calderon

#### EDITORIAL REVIEW BOARD

William Baker

Queens University of Charlotte

Ryan Baxter

Boise State University

Jacquelene Birt

University of Western Australia,

Australia

Cynthia Blanthorne

University of Rhode Island

Cathleen Burns

Creative Action Learning Solutions

Cory Campbell

Indiana State University

Anne Christensen

Montana State University

Ann Davis

Tennessee Tech University

Nina Dorata

St. John's University

Cintia Easterwood Virginia Tech

Carol Fischer

St. Bonaventure University

Michael Fischer

St. Bonaventure University

Dann Fisher

Kansas State University

Mary Anne Gaffney

Temple University

Brian Patrick Green

University of Michigan-Dearborn

Brian Hogan

University of Pittsburgh

Kerry Inger

Auburn University

Joan Lee

Fairfield University

Linda Lovata

Southern Illinois University

Edwardsville

**Barry Marks** 

University of Houston - Clear Lake

Shawn Mauldin

Mississippi State University

Jared Moore

Oregon State University

Michaele Morrow

Suffolk University

Albert Nagy

John Carroll University

Curtis Nicholls

Bucknell University

Susanne O'Callaghan

Pace University

Philip Olds

Virginia Commonwealth University

Colin Onita

San Jose State University

Arianna Pinello

Florida Gulf Coast University

Colin Reid

Washington and Lee University

Timothy Rupert

Northeastern University

Michael Schadewald

University of Florida

William Stout

University of Louisville

Jay Thibodeau Bentley University

Pierre Titard

Southeastern Louisiana University

Michael Turner

The University of Queensland

Li Wang

University of Akron

Gerald (Jerry) Weinstein John Carroll University

Matthew Wieland Miami University

Li Xu

Washington State University

# ADVANCES IN ACCOUNTING EDUCATION: TEACHING AND CURRICULUM INNOVATIONS VOLUME 25

# ADVANCES IN ACCOUNTING EDUCATION: TEACHING AND CURRICULUM INNOVATIONS

**EDITED BY** 

#### THOMAS G. CALDERON

The University of Akron, USA



United Kingdom – North America – Japan India – Malaysia – China Emerald Publishing Limited Howard House, Wagon Lane, Bingley BD16 1WA, UK

First edition 2022

Editorial matter and selection © 2022 Thomas G. Calderon. Published under exclusive licence

Individual chapters © 2022 Emerald Publishing Limited.

#### Reprints and permissions service

Contact: permissions@emeraldinsight.com

No part of this book may be reproduced, stored in a retrieval system, transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the publisher or a licence permitting restricted copying issued in the UK by The Copyright Licensing Agency and in the USA by The Copyright Clearance Center. Any opinions expressed in the chapters are those of the authors. Whilst Emerald makes every effort to ensure the quality and accuracy of its content, Emerald makes no representation implied or otherwise, as to the chapters' suitability and application and disclaims any warranties, express or implied, to their use.

#### **British Library Cataloguing in Publication Data**

A catalogue record for this book is available from the British Library

ISBN: 978-1-80071-702-2 (Print) ISBN: 978-1-80071-701-5 (Online) ISBN: 978-1-80071-703-9 (Epub)

ISSN: 1085-4622 (Series)



ISOQAR certified Management System, awarded to Emerald for adherence to Environmental standard ISO 14001:2004.

Certificate Number 1985 ISO 14001



### **CONTENTS**

List of Contributors	ix
Call for Papers	xi
Writing Guidelines	xiii
Statement of Purpose	xv
Acknowledgments	xvii
THEME 1 CURRICULUM AND PEDAGOGICAL INNOVATIONS	
Accounting and Audit Quality Perspective: Fair Value Measurements and Disclosures Curriculum Gaps Thomas R. Weirich and Natalie Tatiana Churyk	3
Who's Got Next? An Analysis of the Inhibitors to Mobile Game Adoption in an Introductory Accounting Class Todd White, Richard G. Brody and Gaurav Gupta	23
A Service Learning Approach to Teaching CVP Analysis in Cost Accounting C. Andrew Lafond and Kristin Wentzel	49
Using the Accounting Equation For Preparing the Statement of Cash Flows  Joseph G. Donelan and Yu Liu	67
THEME 2 FACULTY REFLECTIONS ON TEACHING ACCOUNTING DURING THE COVID-19 PANDEMIC.	
<b>Teaching Forensic Accounting in a Covid Environment</b> <i>J. Edward Ketz</i>	93

viii CONTENTS

Accounting Education in the Time of the Coronavirus or How Flipping the Classroom Heightened my Appreciation for Student Behavior Timothy J. Fogarty	101
Leveraging a University's Dynamic Capabilities in a Turbulent Environment Carolyn Strand Norman, J. Matthew Sarji and Thomas Bowe Hansen	109
Lecture Modality: Student Attendance Choices and Performance Kelly Green	119
THEME 3 RESEARCH ON PASSING PROFESSIONAL EXAMS IN ACCOUNTING	
Do Grades Earned in Accounting Courses Predict Performance on Related Sections of the CPA EXAM? Dennis Bline, Stephen Perreault and Xiaochuan Zheng	135
The Most Effective Study Methods for Passing the CPA Exam: A Research Note Denise Dickins, Rachel Hull and Linda Quick	155
Perceptions of Challenges on the CPA Exam: Evidence from Puerto Rico Rogelio J. Cardona, Karen C. Castro-González, Carmen B. Ríos-Figueroa and José C. Vega-Vilca	177
THEME 4 HISTORICAL UNDERPINNINGS AND THE CHOICE OF TAXATION AS AN AREA OF SPECIALIZATION	
A History of Tax Education and the Adoption of the AICPA Model Tax Curriculum Marsha M. Huber, Ray Shaffer, Renee Castrigano and Gary S. Robson	201
Accounting Student Selection of Taxation as a Professional Practice Area Steven L. Gill and Brett S. Kawada	221
Index	243

#### LIST OF CONTRIBUTORS

Dennis Bline Professor of Accounting, Department of

Accounting, Bryant University

Richard G. Brody Professor of Accounting, Department of

Accounting, University of New Mexico

Rogelio J. Cardona Professor of Accounting, School of Business

Administration, University of Puerto Rico-Rio Piedras

Renee Castrigano Assistant Professor of Accounting, Gannon University

Karen C. Castro-González Professor of Accounting, School of Business

Administration, University of Puerto Rico-Rio Piedras

Natalie Tatiana Churyk Professor of Accounting, Department of

Accountancy, Northern Illinois University

Denise Dickins Professor of Accounting, Department of

Accounting, East Carolina University

Joseph G. Donelan Professor of Accounting, Department of Accounting

and Finance, University of West Florida

Timothy J. Fogarty Professor of Accounting, Weatherhead School of

Management, Case Western Reserve University

Steven L. Gill Associate Professor & Director of Grad Programs,

Charles W. Lamden School of Accountancy, San

Diego State University

Kelly Green Assistant Professor, Department of Accounting,

University of Louisiana at Lafayette

Gaurav Gupta Associate Professor, Department of Accountancy and

Business Law, University of North Carolina Wilmington

Thomas Bowe Hansen Associate Professor, Department of Accounting,

Virginia Commonwealth University

Marsha M. Huber Director of Research, Institute of Management

Accountants

Rachel Hull Graduate Student, Department of Accounting, East

Carolina University

Brett S. Kawada Visiting Assistant Professor, College of Business

Administration, The University of Texas at El Paso

J. Edward Ketz Associate Professor of Accounting, Accounting

Department, The Pennsylvania State University

C. Andrew Lafond Associate Professor, Department of Accounting, La

Salle University

Yu Liu Instructor, College of Economics and Management,

Taiyuan University of Technology

Carolyn Strand Norman Professor of Accounting & Chair, Department of

Accounting, Virginia Commonwealth University

Stephen Perreault Associate Professor, Department of Accountancy,

Providence College

Linda Quick Associate Professor, Department of Accounting,

East Carolina University

Carmen B. Ríos-Figueroa Associate Professor of Accounting, School of

Business Administration, University of Puerto Rico-

Rio Piedras

Gary S. Robson Professor Emeritus of Accounting, Bloomsburg

University of Pennsylvania

J. Matthew Sarji Instructor, Department of Accounting, Virginia

Commonwealth University

Ray Shaffer Emeritus Professor of Accounting, Lariccia School of

Accounting and Finance, Youngstown State University

José C. Vega-Vilca Professor of Statistics, School of Business

Administration, University of Puerto Rico-Rio Piedras

Thomas R. Weirich Professor of Accounting, School of Accounting,

Central Michigan University

Kristin Wentzel Associate Professor, Department of Accounting, La

Salle University

Todd White Assistant Professor, Department of Accounting,

University of New Mexico

Xiaochuan Zheng Professor of Accounting, Department of

Accounting, Bryant University

#### CALL FOR PAPERS

Submissions are invited for forthcoming volumes of Advances in Accounting Education (AIAE). AIAE publishes a wide variety of articles dealing with accounting education at the college and university level. AIAE encourages readable, relevant, and reliable articles in all areas of accounting education including auditing, financial and managerial accounting, forensic accounting, governmental accounting, taxation, accounting systems, etc. Articles from authors outside the United States. are encouraged. Papers can focus on:

- Innovation in teaching and learning, with evidence to demonstrate effectiveness.
- Research studies with implications for improving accounting education.
- Efficacy of technology in teaching and learning.
- Disruptive technologies, emerging business models and implications for accounting education.
- Assessment of learning and continuous improvement.
- Pedagogical implications of regulation.
- Administrative and leadership issues related to innovation and effective teaching and learning.
- Global challenges, constraints, and opportunities for accounting education.
- Critical reviews of the domain of accounting with implications for curriculum innovation.
- Conceptual models, methodology discussions, and position papers on particular issues.
- Historical discussions and literature reviews with implications for pedagogical efforts

AIAE provides a forum for sharing ideas and innovations in teaching and learning ranging from curricula development to content delivery techniques. Pedagogical research that contributes to more effective teaching and learning in colleges and universities is highlighted. All articles must include a discussion of implications for teaching, learning, and curriculum improvements. Non-empirical papers should be academically rigorous, and specifically discuss the institutional context of a course or program, as well as any relevant tradeoffs or policy issues. Empirical reports should exhibit sound research design and execution, and must develop a thorough motivation and literature review, possibly including references from outside the accounting field.

xii CALL FOR PAPERS

#### **SUBMISSION PROCESS**

Send two MS Word files by e-mail:

(1) a manuscript with an abstract and any research instruments used, with no information to identify authors; and

(2) a cover page with a list of all authors' names, institutional affiliations, mailing addresses, telephone numbers, and e-mail addresses.

Two reviewers assess each manuscript submitted and reviews are completed in a timely manner, usually 60–90 days.

Send manuscripts to Thomas Calderon, editor, aiae@uakron.edu

#### WRITING GUIDELINES

- 1. Write your manuscript using active voice. Therefore, you can use the pronouns "we" and "I." Also, please avoid using a series of prepositional phrases. We strongly encourage you to use a grammar and spell checker on manuscripts before you submit to AIAE. Parsimony is a highly desirable trait for manuscripts we publish. Be concise in making your points and arguments.
- 2. Each paper should include a cover sheet with the names, addresses, telephone number, and e-mail address for all authors. The title page also should include an abbreviated title that you should use as a running head (see item 7 below). The running head should be no more than 70 characters, which include all letters, numbers, punctuation, and spaces between words.
- 3. The second page should consist of an abstract of approximately 150 words and up to five key words.
- 4. You should begin the first page of the manuscript with the manuscript's title. DO NOT use the term "Introduction" or any other term at the beginning of the manuscript. Simply begin your discussion.
- 5. Use uniform margins of 1.5 inches at the top, bottom, right and left of every page. Do not justify lines; leave the right margins uneven. Do not hyphenate words at the end of a line; let a line run short or long rather than break a word. Type no more than 25 lines of text per page.
- 6. Double-space all lines of text, including titles, headings, and quotations.
- 7. Place each figure, table and chart on a separate page at the end of the manuscript. Include a marker in the body of the paper to show approximately, where in the final manuscript each figure, table, or chart will appear.
- 8. After you have arranged the manuscript pages in correct order, number them consecutively, beginning with the title page. Number all pages. Place the number in the upper right-hand corner using Arabic numerals. Identify each manuscript page by typing an abbreviated title (header) above the page number.
- 9. Format all citations within your text with the author(s) name and the year of publication. An appropriate citation is Catanach (2004) or Catanach and Feldmann (2005), or Catanach etl a1. (2006) when there are three or more authors. You do not need to cite six or seven references at once, particularly when most recent references cite earlier works. Please try to limit yourself to two or three citations at a time, preferably the most recent ones. Use APA 6.
- 10. You should place page numbers for quotations along with the date of the material being cited. For example: According to Beaver (1987, 4), "Our knowledge of education research ...and its potential limitations for accounting ..."

- 11. List at the end of the paper the full bibliographic information (e.g., author, year, title, journal, volume, issue and page numbers) for all references cited in the body of the paper. List references in alphabetical order by the first author's last name.
- 12. Center, capitalize each word and bold main headings; capitalize the first letter in each word, italicize and bold and center sub-headings; capitalize the first word, italicize and center the next level headings; capitalize the first word, italicize and left justify next level headings.

#### STATEMENT OF PURPOSE

Advances in Accounting Education: Teaching and Curriculum Innovations is a refereed academic journal whose purpose is to help meet the needs of faculty members and administrators who are interested in ways to improve teaching, learning and curriculum development in the accounting area at the college and university level. We publish thoughtful, well-developed articles that are readable, relevant, and reliable.

Articles may be either empirical or non-empirical and should emphasize innovative approaches that inform faculty and administrators as they seek to advance their classrooms, curricula, and programs. All articles should have well-articulated and strong theoretical foundations. Establishing a link to the non-accounting literature is desirable. Further, we expect all manuscripts to address implications for the scholarship of teaching and learning.

Normally, articles that emphasize pedagogy and classroom innovation (e.g., cases, exercises, specific approaches to teaching a topic, etc.) must demonstrate efficacy in at least one college setting. That is, the authors offer evidence to show that the innovation has been tried and it is effective.

Non-empirical manuscripts should be academically rigorous. They can be theoretical syntheses, conceptual models, position papers, discussions of methodology, comprehensive literature reviews grounded in theory, or historical discussions with implications for efforts to enhance teaching, learning, and curriculum development. Reasonable assumptions and logical development are essential.

Sound research design and execution are critical for empirical reports. Reviewers focus on the quality of method, data, results, and analysis as well as the implications for teaching, learning, and curriculum development.

#### REVIEW PROCEDURES

Advances in Accounting Education: Teaching and Curriculum Innovations provides authors with timely reviewer reports that clearly indicate the status of the manuscript. Each manuscript is reviewed by at least two reviewers. Authors receive initial reviews normally within eight to 12 weeks of manuscript submission.



#### **ACKNOWLEDGMENTS**

The authors would like to thank the Editor and two anonymous referees for their helpful recommendations and suggestions. We are also grateful for valuable comments received from Aníbal Báez-Díaz, Nidia S. Carrero, Marsha M. Huber, Dennis M. López, Wanda Rivera-Ortiz, and Valaria P. Vendrzyk on earlier drafts of the manuscript. We also appreciate the recommendations received from the participants at the 2017 First Research and Creative Activity Conference of Puerto Rico Accounting Professors, the 2016 AAA Diversity Section Midyear Meeting, the 2016 AAA Mid-Atlantic Region Meeting, the 2015 AAA Diversity Section Midyear Meeting and the 2015 AICPA Pre-certification Education Executive Committee (PcEEC) Semi-Annual Meeting. We also would like to thank Juan M. García-Merced, the Puerto Rico Society of CPAs and the National Association of State Boards of Accountancy (NASBA), for providing us with access to participants of the Becker Puerto Rico CPA Review Course, participants of a CPE seminar, and exam performance data, respectively.

This study was financially supported by a PwC INQuires Research Grant and a summer research grant from the School of Business Administration of the University of Puerto Rico-Río Piedras. The sponsors were not involved in the study's design; in the collection, analysis and interpretation of data; in the writing of the report; or in the decision to submit the manuscript for publication.