INTERNATIONAL ACCOUNTING

INTERNATIONAL ACCOUNTING A User Perspective

Fifth Edition

Shahrokh M. Saudagaran, PhD
UNIVERSITY OF WASHINGTON TACOMA

L. Murphy Smith, DBA, CPA
TEXAS A&M UNIVERSITY-CORPUS CHRISTI



Copyright © 2020 Carolina Academic Press, LLC All Rights Reserved

Library of Congress Cataloging-in-Publication Data

Names: Saudagaran, Shahrokh M., 1956– author. | Smith, Lawrence Murphy, author.

Title: International accounting : a user perspective / Shahrokh M. Saudagaran, Lawrence Murphy Smith.

Description: Fifth Edition. | Durham : Carolina Academic Press, 2020. | Revised edition of International accounting, [2013].

Identifiers: LCCN 2019058644 | ISBN 9781531018665 (paperback) | ISBN 9781531018672 (ebook)

Subjects: LCSH: Comparative accounting. | International business enterprises—Accounting.

Classification: LCC HF5635 .S27 2020 | DDC 657—dc23 LC record available at https://lccn.loc.gov/2019058644

Carolina Academic Press 700 Kent Street Durham, North Carolina 27701 Telephone (919) 489-7486 Fax (919) 493-5668 www.cap-press.com

Printed in the United States of America

To My Family

— Shahrokh Saudagaran

To Kathy

— L. Murphy Smith

CONTENTS

Preface	xiii
About the Authors	xix
Chapter 1 • Financial Reporting in the Global Arena	3
Introduction	3
Interaction Between Accounting and Its Environment	5
	6
Nature of Capital Markets Type of Reporting Regime	7
Size and Complexity of Business Entities	8
Type of Legal System Layel of Enforcement of Regulations	9
Level of Enforcement of Regulations Rate of Inflation	10
Political and Economic Ties	
	10
Stature of the Accounting Profession	12
Existence of a Conceptual Framework	13
Quality of Accounting Education	15
Diverse Roles of Accounting in Countries	16
Policy Choices in Accounting	18
Effects of Diversity on Capital Markets	22
Classification of Financial Accounting and Reporting Systems	26
Review of Selected Classification Studies	27
Major Challenges Facing Accounting Globally	30
Global Convergence	30
Quality of Financial Reporting in Developed and Emerging Economies	31
Social Responsibility Reporting	31
Financial Reporting in the High Technology Era	32
Summary	33
Questions	33
Exercises	34

viii CONTENTS

Cases	36
References	39
Test Prepper Questions	43
Chapter 2 • The Move to International Financial Reporting Standards	47
Introduction	47
Rationale for Harmonization	48
Pressures for Harmonization	50
Investors	50
Multinational Companies	51
Regulators	51
The Securities Industry and Stock Exchanges	51
Emerging Economies	52
Obstacles to Harmonization	52
Measuring Harmonization	55
Supra-National Organizations Engaged in Accounting Harmonization	56
International Accounting Standards Committee	56
International Accounting Standards Board	57
International Federation of Accountants	58
International Organization of Securities Commissions	61
United Nations	62
Organization for Economic Cooperation and Development	63
Other Harmonization Efforts	64
Bilateral or Mutual Agreements	64
World-Class Issuer	66
The IASC/IOSCO Initiative	66
Transition to IFRS in the US	67
Evidence on Harmonization	68
Global	69
Regional	72
Summary	79
Questions	80
Exercises	81
Cases	82
References	85
Test Prepper Questions	89

Chapter 3 • Accounting for Fluctuations in Currency Exchange Rates	93
Introduction	93
Overview of Foreign Currency Markets and Exchange Rates	94
Foreign Exchange Exposure	96
Accounting for Exchange Rate Fluctuations	98
Foreign Currency Transaction Versus Translation	98
Translation methods	102
Foreign Currency Translation in the United States	106
FASB Statement No. 8 (SFAS No. 8)	107
FASB Statement No. 52 (SFAS No. 52)	109
SFAS No. 52 and the Functional Currency Concept	112
SFAS No. 52—Translation in Highly Inflationary Economies	115
SFAS No. 133—Accounting for Derivatives and Hedging Activities SFAS No. 161—Disclosures About Derivative Instruments	116
and Hedging Activities	117
The International Accounting Standard on Foreign Currency Translation	118
Summary	120
Questions	120
Exercises	121
Cases	123
References	124
Test Prepper Questions	126
Chapter 4 • Selected Financial Reporting and Disclosure Issues in the Global Context	129
Introduction	129
Accounting for Changing Prices	130
Inflation-Adjusted Accounting Models	133
General Price Level Adjusted (GPLA) Model	133
Current Cost-Adjusted (CCA) Model	138
Accounting for Intangible Assets	142
Goodwill	143
Brands, Patents, and Trademarks	145
Research and Development	148
Geographic Segment Reporting	149
Research Evidence on Geographic Segment Reporting	150

x CONTENTS

Developments in Geographic Segment Reporting	156
Environmental and Social Reporting	158
Environmental Disclosures	158
Employee Disclosures	166
Global Reporting Initiative (GRI)	168
Survey of Corporate Responsibility Reporting	172
Value-Added Statement	174
Summary	177
Questions	178
Exercises	179
Cases	182
References	184
Test Prepper Questions	187
Chapter 5 • Using Corporate Financial Reports Across Borders	191
Introduction	191
Corporate Responses to Foreign Users of Financial Statements	192
Coping with Transnational Financial Reporting	204
Preparer Response to Transnational Financial Reporting	204
User Response to Transnational Financial Reporting	206
International Financial Statement Analysis	209
Depreciation and Revaluation of Long-Lived Assets	209
Goodwill	210
Foreign Exchange	210
Pension and Other Post-Employment Benefits	212
Consolidation and Group Reporting	212
Taxation	213
Additional Issues in International Financial Statement Analysis	217
Availability of Data	217
Reliability of Data	218
Timeliness of Data	219
Language, Terminology, and Format	219
Summary	222
Questions	222
Exercises	224
Cases	227

References	232
Test Prepper Questions	233
Chapter 6 • Financial Reporting in Emerging Capital Markets	237
Introduction	237
The Nature and Importance of Emerging Capital Markets	239
The Role of Financial Reporting in Emerging Capital Markets	242
Characteristics of Financial Reporting in Emerging Capital Markets	243
Availability	243
Reliability	246
Comparability	251
Financial Reporting Policy Issues in Emerging Capital Markets	252
Information Availability	253
Strengthening Enforcement Capability	254
Convergence of Accounting Standards	256
Caveats Based on Recent Developments	257
Accounting in Selected Emerging Capital Markets	258
Mexico	258
People's Republic of China (PRC)	261
Summary	265
Questions	266
Exercises	268
Cases	270
References	272
Test Prepper Questions	276
Chapter 7 • Managerial Issues in International Accounting	279
Introduction	279
Budgeting and Performance Evaluation	280
Using Appropriate Performance Measures	280
Using Appropriate Currencies	281
Transfer Pricing Policies	282
Other Considerations	283
Distinguishing between Manager Performance and Subsidiary	
Performance	283

CONTENTS xi

xii CONTENTS

Some Comparative Evidence on Budgets and Performance	
Evaluation Systems	284
Global Risk Management	285
Multinational Capital Budgeting	285
Managing Foreign Exchange Risk	287
Transfer Pricing	291
Major Constituents Affected by Transfer Pricing Choices	291
Internal Constituents	292
External Constituents	293
Transfer Pricing Methods	294
Advance Pricing Agreements	297
Research Evidence on Determinants of International Transfer	
Pricing Methods	298
A Transfer Pricing Illustration	300
Information Technology	301
Complexities Involving IT Systems For MNCS	302
Global IT Challenges and Strategies	303
Ethics and Culture	305
Summary	310
Questions	311
Exercises	311
Cases	314
References	316
Test Prepper Questions	320
List of Abbreviations	325
Directory of Relevant Web Sites	329
Index	335

PREFACE

Introduction

As business and capital markets have continued to grow more globalized, the need for cross-border financial information has correspondingly increased. This has brought international accounting to the forefront. As products, services, and capital increasingly cross domestic borders, the likelihood that various parties to business transactions are based in different countries increases. These parties must contend with the reality that information on their business partners often exists in an accounting language other than their own. In order to make informed decisions in a global environment, one needs to be educated in international accounting. While the required level of detailed knowledge of international accounting issues varies between organizations, there are very few businesses in the twenty-first century that are not impacted by globalization and hence by some aspect of international financial reporting.

Target Audiences

The primary audiences for this book are upper-division undergraduate students, graduate students, and participants in executive development and corporate university programs globally. In undergraduate programs, most Advanced Accounting books focus on business combinations with little or no coverage of international accounting topics. The typical Advanced Accounting book has a section on foreign currency translation as its ode to international accounting. *International Accounting: A User Perspective* provides a much more comprehensive coverage of international accounting issues than is available in Advanced Accounting texts. Given the target audience, every effort has been made to present the material completely yet succinctly and in a writing style that is easy to read for a global

audience. In terms of its coverage of international accounting issues, this book is placed somewhere between Advanced Accounting texts that cover very little and traditional international accounting texts that are too long and expensive for most undergraduate, graduate and executive programs. Similar to previous editions, the fifth edition has been kept to a reasonable length, ensuring that most of the chapters will be actually used in the programs and courses where the book is adopted.

User Perspective

This book is designed to provide an understanding of international accounting issues to students in graduate and undergraduate business programs and for executives involved either directly or indirectly in international business. As indicated in its title, the book takes a user perspective (as opposed to a preparer perspective) to international financial reporting. This approach makes sense because most business executives are more likely to be users of transnational financial information than preparers of it. Very few managers are ever called upon to prepare financial statements in their domestic environment, let alone in another country. However, many executives regularly find themselves making decisions based on financial information that originates in another country. This can take the form of evaluating the performance of a subsidiary, affiliated organization or joint venture in another country, making credit decisions on customers located abroad, or making cross-border investing and financing decisions based on opportunities in other countries. Being educated in international accounting is an important asset in the portfolio of skills required of managers in companies engaged in global business.

Research Component and Other Distinguishing Features

An important feature of the book is that it facilitates the transfer of international accounting research to students who typically would not access the academic literature on their own. It does this by discussing research findings where appropriate and by extensively citing scholarly work related to the subject matter. Since much of the text is based directly or indirectly on research evidence it helps bring "state of the art" international accounting material into the classroom.

The extensive coverage of Financial Reporting in Emerging Capital Markets is another distinguishing feature of this book. As these countries continue to grow in importance so does the need to learn of the special accounting issues facing them. Other distinguishing features of the book are its coverage of accounting for changing prices, and social reporting and the audit of social reports.

Summary of the Book

Based on feedback received from reviewers and other colleagues that have used the book, the length and coverage has been kept similar to the earlier editions. However, revisions have been made as necessitated by recent developments in the business and research arenas as well as the move towards convergence of financial reporting standards worldwide. The book is organized as follows:

- *Chapter 1* examines the interaction between accounting and its environment, the diverse roles of accounting in countries, the effects of accounting diversity, and the major challenges facing accounting globally.
- Chapter 2 is about the global harmonization and convergence of accounting and auditing standards. It looks at various aspects of harmonization including the reasons for and against harmonization, the measures of harmonization, the organizations engaged in harmonization, and the various harmonization models and scenarios.
- Chapter 3 deals with accounting for currency exchange rate changes. It looks at the various alternative accounting methods for currency translation and their impact on management decision.
- Chapter 4 delves into selected financial reporting and disclosure issues in the global context including accounting for changing prices, accounting for goodwill and intangible assets, geographic segment reporting, and the significant attention to environmental and social reporting in recent years. Updates in this chapter include a discussion of the state of Corporate Responsibility Reporting globally as well as the role and impact of the Global Reporting Initiative (GRI).
- Chapter 5 covers various topics related to using corporate financial reports across borders. It examines corporate responses to foreign users of financial statements, and how preparers and users cope with transnational financial reporting. It also covers a number of issues related to international financial statement analysis. This chapter contains several new exhibits as well as revisions in the discussion of cross-country analysis.
- Chapter 6 looks at financial reporting in emerging capital markets. The
 coverage includes the role of financial reporting in emerging capital markets, and the characteristics and policy issues related to financial reporting in developing countries. This chapter contains updated sections on
 accounting in China and Mexico and several new exhibits.

Chapter 7 deals with a number of managerial issues in international accounting. These include budgeting and performance evaluation, global risk management, transfer pricing, information technology, and ethics and culture.

End of Chapter Materials

Each chapter ends with a summary of the main points contained therein, discussion questions, exercises, test prepper questions, and where appropriate, cases. The discussion questions are relatively straightforward applications of chapter materials. In keeping with the user perspective of the book most of the exercises involve handson application of domestic and foreign annual reports.

Instructors' Material

The book is accompanied by instructors' material that includes 1) an outline of each chapter, 2) solutions for selected exercises and cases at the end of the chapter, 3) a test bank consisting of true/false and multiple choice questions, and 4) PowerPoint slides.

Acknowledgments

We thank the many colleagues all over the world who have used the previous editions of this book despite (or because of) its innovative and novel approach. The positive feedback received from many of these colleagues was instrumental in the decision to proceed with this edition. It has been heartening to see that the book has had global appeal and is used at universities in over 20 countries on four continents.

We thank the students in our MBA, Master of Accounting and undergraduate classes for their valuable feedback on previous editions of the book. We also appreciate the input of participants in Dr. Saudagaran's executive education courses taught in a number of countries over the years.

We would also like to acknowledge a number of individuals who have helped in a variety of ways in the production of this book. We are grateful to the professional and friendly team at CAP for their assistance and support during the entire process. In some sort of chronological order, we thank Keith Sipe, Ryland Bowman, Jennifer Hill, Rachael Meier, Arthur Iannacone and Rachel Greene for the professionalism and speed with which they managed the production process. Drake Chien provided able research assistance.

We also appreciate the comments and feedback provided by the following colleagues:

Jason Al-Ajmi, University of Bahrain

Donald L. Ariail, Kennesaw State University

Robert Bloom, John Carroll University

Todd Broker, Murray State University

Teresa Conover, University of South Florida

Orapin Duangploy, University of Houston—Downtown

David Durr, Murray State University

Hans J. Dykxhoorn, Western Michigan University

Teresa Gordon, University of Idaho

Mustafa Mohamed Hanefah, USIM, Malaysia

Don Herrmann, Oklahoma State University

Allan Hodgson, University of Queensland, Australia

Majidul Islam, Concordia University, Canada

Steven Kachelmeier, University of Texas at Austin

Alan Kilgore, Macquarie University, Australia

Il-Woon Kim, University of Akron

Indra Kusuma, Gadjah Mada University, Indonesia

John Christian Langli, Norwegian School of Management

Hyo Ik Lee, Sungkyunkwan University, Korea

Robert Larson, University of Dayton

Asheq Rahman, Massey University, New Zealand

Joseph R. Razek, University of New Orleans

Juan Rivera, *University of Notre Dame*

Lynn Rees, Texas A & M University

Michimasa Sato, Nagoya University

Joanne Tay, Singapore Management University

Kriengkrai Boonlert U-Thai, Chulalongkorn University, Thailand

Eamonn Walsh, University College Dublin

Liyan Wang, Peking University, China

Jeanne H. Yamamura, University of Nevada Reno

Shahrokh M. Saudagaran L. Murphy Smith

Special Thanks

Since joining the University of Washington Tacoma in 2004, I have been inspired and touched by the vision and generosity of the Milgard family. Gary, Carol, Carolyn and Jim Milgard have been amazingly gracious in their support of the students, faculty and staff of the Milgard School. For that I will always be grateful.

Finally, I am grateful to my wife Unhi, and our daughters, Mina and Maryam for their love and support.

Shahrokh Saudagaran

Moving to Texas A&M University-Corpus Christi in 2017, then to the RELLIS Campus in Bryan, Texas, in 2018 began a grand adventure. Like Tolkien's Fellowship of the Ring, so has been the fellowship of the RELLIS Islanders, my warm-hearted colleagues, Larry Crumbley, John DeLeon, Swint Friday, Randall Harris, Sandy Huang, Dimitros Koutmos, and Anita Reed. I am thankful to Dean John Gamble for his leadership and vision. I am grateful to the A&M System Chancellor John Sharp for his innovative idea of RELLIS, and to Director James Nelson and Provost Nancy Jordan for their tone at the top at the unique campus.

For her love, inspiration and encouragement, I am forever grateful to my princess bride and RELLIS colleague, Dr. Katherine Taken Smith.

Murphy Smith

ABOUT THE AUTHORS

SHAHROKH M. SAUDAGARAN

Shahrokh Saudagaran, PhD, served as the Gary E. and James A. Milgard Endowed Dean at the University of Washington Tacoma's Milgard School of Business from 2004 to 2015. He currently serves as Professor of Accounting and Director of the Milgard School's Center for Leadership and Social Responsibility. His previous academic positions were the Arthur Andersen Professor and Head of the School of Accounting at Oklahoma State University and Director of the International Business Studies Institute and McCullough Professor of Accounting at Santa Clara University. He is Secretary General of the Asian Academic Accounting Association and Past-President of the American Accounting Association's International Accounting Section. In 2002, the Japanese Association of International Accounting Studies awarded him a lifetime honorary membership in recognition of his contributions to international accounting. In 2004, he received the American Accounting Association's Outstanding International Accounting Educator Award. His research on the impact of international accounting diversity on global listing decisions and on financial reporting in emerging capital markets, particularly those in the Asia-Pacific region, has been published in the top accounting, finance and international business journals. He has presented his research at conferences and university colloquia in over 30 countries. Saudagaran has consulted and taught executive seminars in international accounting and finance for corporations in Asia, Europe, and the United States.

Saudagaran has also published *The Asian Accounting Handbook: A User's Guide to the Accounting Environment in 16 Countries*. He has served on the editorial boards of several journals including the *Accounting Review*, *Accounting Horizons*, and *Issues in Accounting Education* and international accounting journals worldwide.

Saudagaran obtained his PhD from the University of Washington, his MBA from the Iran Center for Management Studies, and his Bachelor of Commerce from the University of Bombay. He was also licensed as a CPA in Washington State. He is a member of the Academy of International Business, the American Accounting Association, the American Finance Association, the Asian Academic Accounting Association, and the European Accounting Association. Before entering academia, he worked as a management consultant with Ernst & Young and as Financial Controller with Van Leeuwen Buizenhandel, a Dutch multinational.

L. MURPHY SMITH

L. Murphy Smith, DBA, CPA, is a Professor of Accounting at Texas A&M University—Corpus Christi. He teaches on the RELLIS Campus in Bryan, Texas. His academic record includes numerous research articles, books and monographs, academic conference presentations, research grants, and awards for teaching and research. Dr. Smith has been ranked in the top one percent of accounting scholars in the United States according to published guides of research productivity among accounting professors and in the top one percent of authors on Social Sciences Research Network (SSRN.com) by downloaded articles. His work is highly referenced, with over 3,000 citations per Google Scholar.

His major areas of research include: international accounting ethics, financial reporting, and information technology. Among the journals in which he has published are the following: Journal of Business Research; Advances in Accounting; Contemporary Accounting Research; Accounting Horizons; Journal of Information Systems; Journal of Business Ethics; Research on Professional Responsibility and Ethics in Accounting; Critical Perspectives on Accounting; International Journal of Economics and Accounting; Internal Auditing; and Journal of Accountancy. His work has been cited in various news media, including National Public Radio, Fortune, USA Today, and The Wall Street Journal.

Among his recognitions for teaching and research are the following: Outstanding Researcher Award from the American Accounting Association Strategic and Emerging Technologies Section, Outstanding Educator Award from the Texas Society of CPAs, KPMG Outstanding Published Manuscript Award from the American Accounting Association Gender Issues and Work-Life Balance Section, Outstanding Paper in JATA Award from the American Taxation Association, and the Authors Award from the Association of Government Accountants.