

Accounting Conservatism and Corporate Reporting in a High Information Asymmetry Environment: Analysis of Initial Stock Offering Firms

Su Jin Kim

A thesis submitted to the School of Accounting and Finance, the University of Adelaide, in fulfilment of the requirements for the degree of Doctor of Philosophy

Table of Contents

Abstract	v
Declaration	vii
Acknowledgements	viii
Chapter One: Introduction	1
1.1 Background	1
1.2 Research Objectives	4
1.3 Motivation	7
1.4 Summary of Major Findings and Implications	9
1.5 Contribution	12
1.6 Thesis Structure	14
2.1 Introduction	17
2.2 Overview of Accounting Conservatism	18
2.3 Accounting Conservatism and Corporate Governance	20
2.4 The Economic Consequences of Accounting Conservatism in the St	tock Market 24
2.4.1 Conservatism and the Cost of Capital	24
2.4.2 Conservatism and Investment Efficiency	25
2.4.3 Conservatism and Risk of Failure	28
2.5 Conservatism in the Debt Market	29
2.6 Conservatism in Different Litigious and Regulatory Environments .	33
2.7 Conservatism and Information Asymmetry	37
2.8 Criticism of Conservatism	40
2.9 Defending Accounting Conservatism: the Role of Accounting Infor	mation42
2.10 Summary and Conclusion	43

Chapter Three: The Effect of Accounting Conservatism on IPO Firms	44
3.1 Introduction	44
3.2 Conceptual Framework and Hypotheses Development	
3.2.1 Accounting Conservatism of IPO Firms	
3.2.2 Accounting Conservatism and IPO Underpricing	
3.2.3 Accounting Conservatism and Long-term Stock Return Performance of Firms	IPO
3.3 Research Methodology	54
3.3.1 Measurement of Accounting Conservatism for IPO Firms	
3.3.2 Estimation of CSCOREs	
3.3.3 Accounting Conservatism and IPO Underpricing	61
3.3.4 Accounting Conservatism and Post-Issue Stock Return Performance	
3.4 Sample Data and Descriptive Statistics	67
3.5 Empirical Analysis	70
3.5.1 Comparisons of <i>CSCOREs</i> between the pre-IPO and IPO year	70
3.5.2 Testing the Effect of Conservatism on IPO Underpricing	76
3.5.3 Conservatism and Long-term Stock Return Performance of IPO Firms	80
3.5.4 Additional Tests for an Association between Conservatism and Long-te Stock Return Performance of IPO Firms	
3.5.5 Robustness Tests for the Association between Conservatism and Long-t Stock Return Performance of IPO Firms	
3.6 Summary and Conclusions	90
3.7 Tables	92
Chapter Four: The Effect of Accounting Conservatism of IPO Firms on their Seasoned Equity Offerings	
4.1 Introduction	116
4.2 Conceptual Framework and Hypotheses Development	117
4.2.1 IPO Firms' Accounting Conservatism and the Probability of Reissuing	
4.2.2 IPO Firms' Accounting Conservatism and SEO Announcement Returns	119
4.2.3 IPO Firms' Accounting Conservatism and SEO Underpricing	121
4.2.4 IPO Conservatism and Post-Issue SEO Performance	123
4.3 Research Methodology	125
4.3.1 IPO Conservatism and the Probability of First Seasoned Equity Offering	g 125
4.3.2 The Effect of IPO Conservatism on SEO Announcement Returns	128

4.3.3 The Effect of IPO Conservatism on SEO Underpricing	131
4.3.4 IPO Conservatism and Post-SEO Stock Return Performance	132
4.4 Sample Data and Descriptive Statistics	134
4.5 Empirical Analysis	136
4.5.1 IPO Conservatism and the Probability of Issuing a SEO	136
4.5.2 IPO Conservatism and the Probability of Raising Funds through Divesti	
	140
4.5.3 IPO Conservatism and SEO Announcement Returns	142
4.5.4 IPO Conservatism and SEO Underpricing	147
4.5.5 IPO Conservatism and Long-term Stock Return Performance after SEO	150
4.6 Summary and Conclusions	153
4.7 Tables	156
5.1 Introduction	180
5.2 Conceptual Framework and Hypotheses Development	
5.2.1 Accounting Conservatism and the Survival Rates of IPO Firms	
5.2.2 Accounting Conservatism and Acquisition Likelihood of IPO Firms	
5.3 Research Methodology	185
5.3.1 Cox Proportional Hazard Model	
5.3.2 Multinomial Logit Regression Model	188
5.4 Sample Data and Descriptive Statistics	
5.5 Empirical Analysis	193
5.5.1 Conservatism and the Post-Issue Status of IPO Firms: Delisting Rates at Probability of Becoming a Target	
5.5.2 Additional Tests: IPO Conservatism and the Probability of Corporate Acquisitions and Acquisition Profitability	198
5.5.2.1 Conservatism and Post-IPO Acquisitions Activity	198
5.5.2.2 Research Design for the Analysis of Post-IPO Acquisitions Activity	y 199
5.5.2.3 Empirical Analysis of Post-IPO Acquisitions Activity	201
5.5.2.3.1 Descriptive Statistics	201
5.5.2.3.2 IPO Conservatism and the Probability of Acquiring Anoth	
5.5.2.3.3 IPO Conservatism and the Acquisition Profitability	206
5.6 Summary and Conclusions	208
5.7 Tables	210

Chapter Six: Conclusion230
6.1 Summary of Findings
6.2 Contribution and Implications
6.3 Potential Limitations
6.4 Suggestions for Future Research
Reference List241
Appendix I: Measure of Accounting Conservatism by Khan and Watts (2009) 262
Appendix II: Variance Inflation Factor Analysis for the Regressions Provided in Chapter 3
Appendix III: Regression Analysis Testing the Effect of Conservatism on IPO inderpricing
Appendix IV: Variance Inflation Factor Analysis for the Regressions Provided in Chapter 4
Appendix V: Variance Inflation Factor Analysis for the Regressions Provided in Chapter 5270

Abstract

This thesis investigates whether Initial Public Offering (IPO) firms adopt a high degree of conservatism in response to investors' demand for high quality earnings and subsequently experience increased capital market benefits. The accounting literature suggests that the enforcement of timely loss recognition under a conservative reporting policy can mitigate managerial opportunistic behavior reducing information asymmetries between managers and outside investors (e.g., Watts 2002; LaFond & Watts 2008). This thesis hypothesizes that such benefits of accounting conservatism should be more pronounced for IPO firms because there is inherently high information asymmetry in the IPO market. In particular, financial reports are one of the primary information sources available for investors that provide information regarding a firm's past and expected future performance. As a result, the IPO environment provides an important research setting to investigate the capital market consequences of accounting conservatism.

Based on a large sample of U.S. IPO firms over the period from 1990 to 2010, this thesis investigates whether the extent to which accounting conservatism adopted by IPO firms can predict: (i) the well-documented IPO market anomalies, IPO underpricing and IPO long-term stock return underperformance, (ii) the probability of seasoned equity issue (SEO) in the post-IPO market and the costs associated with the SEO and (iii) the longevity of IPO firms.

The empirical findings of this thesis suggest that firms adopt a higher degree of conservatism prior to going public in response to high information asymmetry at the

IPO and issuers adopting higher conservatism incur a lower indirect cost of going public through less underpricing. The results also suggest that IPO issuers adopting higher conservatism are less likely to reissue equity within five years of the IPO, indicating that these firms do not have short-term cash needs soon after the IPO. However, these firms are more likely to be able to issue their next equity financing on more favorable terms by experiencing less SEO underpricing and better announcement returns. Moreover, the results indicate that issuers adopting a higher degree of conservatism face less risk of failure and survive longer in the stock market. In particular, these firms are more likely to acquire another entity within five years of the IPO and their acquisition announcement returns are positively associated with the extent of conservatism adopted prior to going public.

This thesis makes a significant contribution to the literature on conservatism by providing empirical evidence that: (i) IPO issuers adopting a higher degree of conservatism experience various benefits that the capital markets offer in response to less uncertainty and information asymmetry; and shows (ii) how conservatism can contribute to resolving information asymmetry problems in the IPO market. Specifically, this thesis has important implications for accounting standard setters, policy makers and regulators associated with the IPO market. Against the recent movements of the Financial Accounting Standards Board (FASB) toward fair value accounting, the evidence in this thesis suggests that, in the absence of conservatism, the information quality of financial statements may be jeopardized in the IPO environment, leading to higher information asymmetry between firm insiders and outside investors.

Declaration

I certify that this work contains no material which has been accepted for the award of any other degree or diploma in my name in any university or other tertiary institution and, to the best of my knowledge and belief, contains no material previously published or written by another person, except where due reference has been made in the text. In addition, I certify that no part of this work will, in the future, be used in a submission in my name for any other degree or diploma in any university or other tertiary institution without the prior approval of the University of Adelaide and where applicable, any partner institution responsible for the joint award of this degree.

I give consent to this copy of my thesis, when deposited in the University Library, being made available for loan and photocopying, subject to the provisions of the Copyright Act 1968.

I also give permission for the digital version of my thesis to be made available on the web, via the University's digital research repository, the Library Search and also through web search engines, unless permission has been granted by the University to restrict access for a period of time.

Acknowledgements

First and foremost, I deeply thank my supervisors, Associate Professor Alfred Yawson and Professor Grant Richardson for their generous support, guidance and understanding throughout the entire process of my Ph.D. Their great experience and invaluable expertise helped me address various unexplored issues and moved the thesis forward whenever I faced difficulties. They also greatly facilitated my motivation and productivity in completing my thesis by closely monitoring my progress at all times, and by encouraging me at the right time. Without their dedicated involvement, this thesis would not have been completed. I would also like to express my special appreciation to Professor Yossi Aharony for his guidance and tremendous mentoring, especially in the early stage of my Ph.D.

I also wish to express my gratitude to the academic staff of the Business School for their advice and support. Special thanks must go to Associate Professor Janice Loftus for kindly giving her valuable time to answer my questions on various accounting issues. I also thank Associate Professor Bryan Howieson for his generous support and encouragement throughout the process. Thanks also go to my fellow Ph.D. students for their invaluable friendship and support. I am especially grateful to Shan Li and Wayne Chang for their technical assistance in sorting some of the dataset. I also acknowledge the editorial assistance by Mollie Braybrook.

My deepest gratitude goes to my family. Special thanks go to my beloved husband, Greg, for always being supportive, understanding and encouraging throughout the entire process, especially providing me with great comfort and support whenever I was under

pressure. Without his support and love, this thesis would certainly not have been possible.

This thesis is dedicated to my loving parents who were devoted to teaching me the great value of learning and who have always unconditionally supported and encouraged me throughout my life. Their immense love and support truly helped me keep motivated to learn and to complete my Ph.D.