# BOARD CHARACTERSTICS AND FIRM PERFORMANCE: CASE OF SAUDI ARABIA

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Master of Science (International Accounting)

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## BY MOHAMMAD AHID MOHAMMAD GHABAYEN

## MASTER OF SCIENCE (INTERNATIONAL ACCOUNTING)

UNIVERSITY UTARA MALYSIA

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## DECLARATION

I certify that the substance of this thesis has never been submitted for any degree and is not currently being submitted for any other qualifications.

I certify that any assistance received in preparing this thesis and all sources used have been acknowledged in this thesis.

## MOHAMMAD AHID MOHAMMAD GHABAYE

#### 809427

Othman Yeop Abdullah Graduate School of Business

University Utara Malaysia

06010 Sintok

Kedah

June, 2012

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## ABSTRACT

Corporate governance (CG) has received much attention in the current studies all over the world especially after many corporate scandals and the failures of some biggest firms around the world such as Commerce Bank (1991) Enron (2001), Adelphia (2002), and World Com (2002).

The aim of this study is to examine the relationship between board mechanisms (audit committee size, audit committee composition, board size, and board composition) and firm performance (ROA) based on the annual reports of listed companies in the year 2011 of sample of non-financial firms in the Saudi Market (*Tadawul*). For the purpose of this study, data was collected from a sample of 102 non-financial listed companies.

Furthermore, an analysis of regression analysis is utilized to examine the relationship between board characteristics and firm performance. The results of this study reveal that audit committee size, audit committee composition and board size have no effect on firm performance in the selected sample while board composition has a significant negative relationship with firm performance.

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Mohammad Ahid Mohammad Ghabayen

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LIST	OF ABBREVIATION	١S
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Abbreviation Description of Abbreviation	
CG	Corporate governance
AC	Audit committee
ROA	Return on assets
NASDAQ	National Association of Securities Dealers Automated
	Quotations
NYSE	New York Stock Exchange
CEO	Chief executive officer
PM	Profit Margin
áO	Constant
FIRMPFC	Firm performance
ACSIZ	Audit committee size
ACCOMP	Audit committee composition
BOARDSIZE	Board size
BOADCOM	Board composition
3	Error term
ROE	Return on equity
OECD	Organization for Economic Cooperation and Development

### **CHAPTER ONE**

## INTRODUCTION

## **1.1 Background**

Corporate governance (CG) has received much attention in the current studies all over the world especially after many corporate scandals and the failures of some biggest firms around the world such as Commerce Bank (1991) Enron (2001), Adelphia (2002), and World Com (2002). Practically, transparency and accountability became needed for attracting investors and capital funds on one hand, and for financial security and stability on the other hand. As the environment business has become very competitive, the uncertainty and risk are the main characteristics for today's business.

Under this modern environment, it became very difficult to predict and control the factors that affect the performance of the firms (Kuratko & Morris, 2003). Good CG practice could be one of the best solutions to reduce the uncertainty and the risk in the current business environment. Furthermore, it could attract investment capital as a result of reducing the risk level.

In fact, the subject of CG is practically very important. Even in developed markets, there is a great debate on how bad or good the current CG mechanisms are (Shleifer & Vishny, 1997). Hence, many international organizations in the world such as the International Corporate Governance Network (ICGN) and the Organization for Economic Cooperation and Development (OECD) have also developed guidelines for CG. The OECD issued a guidance publication for better corporate governance titled "Principles of Corporate Governance" in 1998 and reviewed it in 2004. These principles focus on the performance of long-term economics and enhancement the

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## References

- Abbott, L.J., Parker, S. & Peters, G.F. (2004), Audit committee characteristics and restatements. *Auditing: A Journal of Practice & Theory*, 23, 69-87.
- Abdur Rouf, Md. (2011). The relationship between corporate governance and value of the firm in developing countries: Evidence from Bangladesh. *The International Journal of Applied Economics and Finance*, 5, 237-244.
- Adams, R. B., & Mehran, H. (2005). Corporate performance, board structure and its determinants in the banking industry, in EFA 2005 Moscow Meetings.
- Agrawal, A., & Knoeber, C. R. (1996). Firm performance and mechanisms to control agency problems between managers and shareholders. *Journal of Financial and Quantitative Analysis*, 31, 377–397.
- Barnhart, S.W. & Roseinstein, S. (1998). Board composition, managerial ownership, and firm performance: An empirical analysis, *The Financial Review*, 33, 1-16.
- Bathala, C., & Rao, R. P. (1995). The determinants of board composition: an agency theory perspective. *Managerial and Decision Economics*, 16, 59–69.
- Baysinger, B. D., & Butler, H. N. (1985). Corporate governance and board of directors: performance effects of changes in board composition. *Journal of Law, Economics and Organization*, 2, 101-124.
- Beasley, M.S., Carcello, J.V., Hermanson, D.R. & Lapides, P.D. (2000), Fraudulent financial reporting: consideration of industry traits and corporate governance mechanisms. *Accounting Horizons*, 14. 441-54.
- Beasley, MS. (1996). An empirical analysis of the relation between the board of director composition and financial statement fraud. *The Accounting Review*, 71, 443-65.
- Becht, F., Macro, G., & Patrick, B. (2002). Corporate governance and control. Working Paper no. 9371. National Bureau of Economic Research, Cambridge, MA. 1-128.
- Bonn, I., Yoshikawa, T., & Phan, P.H. (2004). Effects of board structure on firm performance: A comparison between Japan and Australia. *Asian Business & Management* 3,105-125.
- Brickley, J. A, Coles, J. L & Terry, R. L. (1994), Outside Directors and the Adoption of Poison Pills. *Journal of Financial Economics*, 35, 371-90.
- Brickley, J. A. & C.M. James, 1987. The takeover market, corporate board composition, and ownership structure: The case of banking. *Journal of Law and Economics*, 30, 161-181.

- Byrd, JW & Hickman, KA (1992), Do Outside Directors Monitor Managers?, *Journal* of Financial Economics, 32, pp. 195-221.
- Cadbury, A (1992), Report on the Committee on the Financial Aspects of Corporate Governance, Gee, London.
- Carcello, J. V., & Neal T. L. (2003). Audit Committee Independence and Disclosure: choice for financially distressed firms, *Corporate Governance: An International Review* 11, 289.
- Chaganti, R. S., Mahajan, V., & Sharma, S. (1985). Corporate Board Size, Composition and Corporate Failures in Retailing Industry. Journal of Management Studies, 22, 400 – 417.
- Chaghadari, F,M. (2011). Corporate governance and firm performance. *International Conference on Sociality and Economics Development*, 10, 484- 489.
- Chen, CJP & Jaggi, B. (2000). Association between independent non-executive directors, family control and financial disclosures in Hong Kong. *Journal of Accounting and Public Policy*, 19, 285-310.
- Cheng, S., Evans, J.H., & Nagarajan, N. J. (2008). Board size and firm performance: The moderating effects of the market for corporate control, *Review of Quantitative Finance and Accounting*, 31, 121-145.
- Chowdary, NV (ed.).(2003). Corporate governance in emerging markets, 1, Corporate Governance, ICFAI Press Hyderabad.
- Coles, B., & Jarrell, G. (2001). Leadership structure: separating the CEO and chairman of the board. *Journal of Corporate Finance*, 4, 189-220.
- Conyon, M.J., & Peck, S.I. (1998). Board size and corporate performance: Evidence from European countries. *European Journal of Finance*. 4, 291-304.
- Daily, C. M., Dalton, D. R., & Canella, A. A. (2003). Corporate governance: decades of dialogue and data. *Academy of Management Review*, 28, 371–382.
- Dallas, L. L. (2001). Developments in U.S. boards of directors and the multiple roles of corporate boards, Working Paper, University of San Diego.
- Dalton, DR, Daily, CM, Ellstrand, AE & Johnson, JL. (1998). Meta-Analytic Reviews of Board Composition, Leadership Structure, and Financial Performance. *Strategic Management Journal*, 19, 269-90.
- Darwish. (2000). Corporate governance and firm performance. Working Paper, Georgia State University.
- Davidson, W., Xie, B, N., & Xu, W. (2004). Market reaction to voluntary announcements of audit committee appointments: The effect of financial expertise, *Journal of Accounting and Public Policy*, 23, 279-293.

- Davis, J. H., Schoorman, F. D., & Donaldson, L. (1997). Toward a stewardship theory of management. *Academy of Management Review*, 22, 20–47.
- Donald F Kuratko, & Michael H Morris. (2003), Corporate entrepreneurship: the dynamic strategy for 21st century organizations, in Gary D. Libecap (ed.) *Issues in Entrepeneurship (Advances in the Study of Entrepreneurship, Innovation & Economic Growth, Vol. 14)*, Emerald Group Publishing Limited, pp.21-46
- Eisenberg, T., Sundgren, S., & Wells, M.T. (1998). Larger board size and decreasing firm value in small firms. *Journal of Financial Economics*, 48, 35-54.
- Eisenhardt, K. M. (1989). Agency theory: An assessment and review. Academy of Management Review, 14, 57–74.
- Erickson, J., Park, Y.W., Reising, J. & Shin H. H. (2005). Board composition and firm value under concentrated ownership: The Canadian evidence. *Pacific-Basin Finance Journal*, 13, 387-410.
- Ertugrul, H., & Hegde, S. (2004). Corporate governance ratings and firm performance, Working Paper. 1-36.
- Fama, E. F., & Jensen, M. C. (1983). Separation of ownership and control. *Journal of Law and Economics*, 26, 301–325.
- Felo, A. J. Krishnamurthy S., & Solieri S. A. (2003). Audit committee characteristics and the perceived quality of financial reporting: An empirical analysis. Working paper, Penn State Great Valley.
- Forsberg, R. (1989). Outside directors and managerial monitoring. *Journal Business* and Economic Review, 20, 24-32.
- Gregory, J. (2000). The globalization of corporate governance, OECD Business sector advisory group on corporate governance. Working Paper, 1-23.
- Guest, P.M. (2009). The impact of board size on firm performance: evidence from the UK, *The European Journal of Finance* 15,385-404.
- Haniffa, R., & Hudaib, M. (2006). Corporate governance structure and performance of Malaysian listed companies. *Journal of Business Finance & Accounting*, 33, 1034-1062.
- Hazarika, S. Karpoff, J. M., & Nahata, R. (2011). Internal corporate governance, CEO turnover, and earnings management. Working Paper. 1-60.
- Hermalin, B. E., & Weisbach, M. S. (2003). Boards of directors as an endogenously determined institution: A survey of the economic literature. *Economic Policy Review – Federal Reserve Bank of New York*, 9, 7–26.

- Hermalin, BE & Weisbach, MS. (1991). The effects of board composition and direct incentives on firm performance. *Financial Management*, 101-12.
- Hsu, H-E. (2008). Audit committees in U.S. Entrepreneurial firms, *Journal of American Academy of Business*. 13.121-128.
- Hutchinson, M. (2002). An Analysis of the Association between Firms' Investment Opportunities, Board Composition, and Firm Performance. Asia Pacific Journal of Accounting and Economics, 9, 17-39.
- Ihsan, S,M. (2009). Corporate governance in the Kingdom Saudi Arabia. http://uqu.edu.sa/page/ar/18978
- Iskander, M. R. & Chamlou, N. (2000). Corporate governance: A framework for implementation. The World Bank, Washington DC.
- Jensen, M. C. (1993). The modern industrial revolution, exit and the failure of internal control systems. *Journal of Finance*, 48, 831-880.
- Jensen, M. C., & Meckling, W. H. (1976). Theory of the firm: managerial behavior, agency costs and ownership structure. *Financial Economics*, 3, 305-360.
- Kalbers, L., & Fogarty, T. (1996). A comparative assessment of organizational and economic explanations of corporate control: an investigation of audit committee oversight *American Accounting Association (AAA)*: Cleveland.
- Keong, LC (ed.) (2002), Corporate Governance: An Asia-Pacific Critique, Sweet & Maxwell Asia, Hong Kong.
- Khan, A & Awan, H,S. (2012). Effect of board composition on firm's performance: A case of Pakistani listed companies. *Journal Of Contemporary Research In Business*, 3, 853-863.
- Khatri, Y., Leruth, L., & Piesse, J. (2002). Corporate performance and governance in Malaysia: Working paper (WP/02/152), International Monetary Fund, Washington DC.
- Kiel, GC & Nicholson, GJ. (2003). Board Composition and corporate performance: How the Australian experience informs contrasting theories of corporate governance. *Corporate Governance*, 11, 189-205.
- Kien, P., Suchard, J., & Jason, Z. (2004). Corporate governance cost of capital and performance: Evidence from Australian Firms. *Journal of Finance*, 6, 1-28.
- Klapper, L,F., & Love, I. (2002). Corporate governance, investor protection and performance in emerging markets. World Bank Policy Research Working Paper No. 2818, 1-40.
- Klein, A. (2002). Audit committee, board of director characteristics and earnings managemen, *Journal of Accounting and Economics*, 33, 375-400.

- Klein, A. (1998). Firm performance and board committee structure. *Journal of Law and Economic*, 41, 275-303.
- Klein, A. (2006). Audit committee, board of director characteristics, and earnings management. Law & Economics Research Paper Series Working Paper. No. 06-42.
- Kosnik, R. (1987). Corporate governance; Directors-of-corporations. *Administrative Science Quarterly Journal*, 3, 163-185.
- Kyereboah-Coleman, A & Biekpe, N. (2006). The link between corporate governance and performance of the non-traditional export sector: Evidence from Ghana. *Corporate Governance*, 6, 609-623.
- Kyereboah-Coleman, A. (2007). Corporate governance and firm performance in Africa: a dynamic panel data analysis. Studies in economics and econometrics, (Forthcoming). Working Paper.
- Lasfer, M.A. (2004). On the monitoring role of the board of directors: The case of the adoption of Cadbury recommendations in the UK. *Advances in Financial Economics*, 9, 287-326.
- Lin, Z.J., Xiao, J.Z. & Tang, Q. (2008). The Roles, responsibilities and characteristics of audit committee in China, *Accounting*, *Auditing & Accountability Journal*, 21, 721-751.
- Lipton, M., & Lorsch, J.W., (1992). A modest proposal for improved corporate governance. *Business Lawyer* 48, 59-77.
- Loderer, C., & Peyer, U. (2002). Board overlap, seat accumulation and share prices. *European Financial Management*, 8, 165-92.
- Mak, Y. T. & Li, Y. (2001). Determinants of corporate ownership and board structure: Evidence from Singapore. *Journal of Corporate Finance*, 7, 236-256.
- Mak, Y.T. & Kusnadi. Y. (2005). Size really matters: further evidence on the negative relationship between board size and firm value. *Pacific-Basin Finance Journal*, 13, 301-318.
- Mallin, C. (2007). Corporate governance (2nd ed), Oxford: Oxford University Press.
- Mathiesen, H. (2002). Managerial ownership and financial performance. PhD dissertation, series 18.2002, Copenhagen Business School, Denmark, viewed.
- Mehran, H., Morrison, A., & Shapiro, J. (2011). Corporate Governance and Banks: What Have We Learned from the Financial Crisis? Federal Reserve Bank of New York, Staff Reports, 502.

- Miller, M., & Dobbins, C. (2001). Key financial performance measures for farm general managers.
- Millstein, I, M., & MacAvoy, P.W. (1998). The active board of directors and performance of the large publicly traded corporation. *Columbia Law Review*, 98, 1283-1321.
- Mohiuddin, Md., & Karbhari, Y. (2010). Audit committee effectiveness: A critical literature review. *AIUB Journal of Business and Economics*, 9, 97-125.
- O'Connell, V, & Cramer, N. (2010). The relationship between firm performance and board characteristics in Ireland. *European Management Journal*, 28, 387-399.
- OECD 2004, OECD Principles of Corporate Governance, Organization for Economic Co-operation and Development.
- Ogbechie, C., Koufopoulos, D, N., & Argyropoulou, M. (2009). Board characteristics and involvement in strategic decision making: The Nigerian perspective. *Management Research News*, 32,169-184.
- Park, Y,W & Shin, H,H. (2003). Board Composition and Earnings Management in Canada. *Journal of Corporate Finance*, 185, 1-27.
- Parker, B. (2005). Board of directors as an endogenously determined institution: A survey of the economic literature. Center for responsible business, Working Paper Series, Paper 3.
- Pfeffer, J. (1972). Size and composition of corporate board of directors: The organization and its environment, *Administrative Science Quarterly*, 17, 218-29.
- Pincus, K., Rubarsky, M. & Wong. J. (1989). Voluntary formation of corporate audit committees among NASDAQ firms. *Journal of Accounting and Public Policy* 8, 239-265.
- Prevost, A. K., Rao, R. P., & Hossain, M. (2002). Board Composition in New Zealand: An Agency Perspective. Journal of Business Finance & Accounting, 29, 731–760.
- Raghunandan, K., Read, W.J., & Rama, D.V. (2001). Audit committee composition, "Gray Directors," and interaction with internal auditing. *Accounting Horizons*, 2, 105-118.
- Raheja, C.G. (2005). Determinants of board size and composition: A theory of corporate boards. *Journal of Financial and Quantitative Analysis*, 40, 283-306.
- Ramdani, D., & Witteloosuijn, V. (2009). Board independence, CEO duality and firm performance: A quantile regression analysis for Indonesia, Malaysia, South

Korea and Thailand. Working Papers 2009-004, University of Antwerp, Faculty of Applied Economics.

- Rechner, P. L., & Dalton, D. R. (1991). CEO duality and organizational performance: a longitudinal analysis. *Strategic Management Journal*, 12, 155-160.
- Rhoades, DL, Rechner, PL & Sundaramurthy, C (2001), A Meta-analysis of board leadership structure and financial performance: Are two heads better than one?, *Corporate Governance: An International Review*, 9, p. 311.
- Rice, H., & Alabama, A. (2006). What price greed: An Analysis of corporate abuse and mismanagement by fiduciaries. *Global Conference oil Business & Economics*, 3, 1-13.
- Roberts, J., McNulty, T., & Stiles, P. (2005). Beyond agency conceptions of the work of non-executive director: Creating accountability in the boardroom. *British Journal of Management*, 16, 5–26.
- Saudi Arabia Capital Market Authority. (2009). Corporate governance regulations in the kingdom of Saudi Arabia.
- Saudi Arabia Stock Exchange, http://www.tadawul.com.sa
- Sekaran, U., & Bougie, R. (2003). Research method for business: A skill building approach, New York: John Wiley & Sons.
- Shakir, R. (2008). Board size, executive directors and property firm performance in Malaysia. *Pacific Rim Property Research Journal*, 14, 1-16.
- Sharma, V., V. Naiker, & B. Lee, 2009, Determinants of Audit Committee Meeting Frequency: Evidence from a Voluntary Governance System, Accounting Horizons, 23, 245-263.
- Shleifer, A., & Vishny, R. (2000). A survey of corporate governance. *Journal of Finance*, 50, 737-783.
- Singh, M. Wallace, N. & Davidson, III. (2003), Agency costs, ownership structure and corporate governance mechanisms, *Journal of Banking and Finance*, 27, 793-816.
- Sommer, Jr. A.A. (1991). Auditing audit committees: An educational opportunity for auditors. *Accounting Horizon*, 91-93.
- Spanos, LJ. (2005). Corporate governance in Greece: developments and policy implications. *Corporate Governance*, 5, 15-30.
- Spira, L. F., (2002). *The Audit Committee: Performing Corporate Governance*. Kluwer Academic Publishers, USA.

- Sunday, K. (2008). Corporate governance and firm performance: the case of Nigerian listed firms. *European Journal of Economics, Finance and Administrative Sciences*, (1450-2275), 1-13.
- Theodorou, E. (1998), The relationship between board structure and firm performance in the UK. *British Accounting Review*, 30, 383-407.
- Topak, I, T. (2011). The Effect of Board Size on Firm Performance: Evidence from Turkey. Middle Eastern Finance and Economics. 14. 119-127.
- Van E,H., Postma, Ees, V. H, & Sterken, E. (2003). Board composition and firm performance in the Netherlands. *Eastern Economic Journal*, 29, 41-58.
- Vinten, G. (1998). Corporate governance: An international state of the art. *Managerial Auditing Journal*, 13, 419-431.
- Weir, C., Laing, D., & McKnight, P. J. (2002). Internal and external governance mechanisms: Their impact on the performance of large UK public companies. *Journal of Business Finance & Accounting*, 29, 579–611.
- Wild, J. J. (1996). The audit committee and earnings quality. *Journal of Accounting, Auditing and Finance*, 11, 247-276.
- Yang, J. & Krishnan, J. (2005). Audit committees and quarterly earnings management. *International Journal of Auditing*, 9. 201-19.
- Yasser, R.Q., Entebang , H., & Mansor, A. Sh. (2011). Corporate governance and firm performance in Pakistan: The case of Karachi Stock Exchange (KSE)-30. *Journal of Economics and International Finance*, 3, 482-491.
- Yermack, D. (1996). Higher market valuation of companies with a small board of directors. *Journal of Financial Economics*, 40, 185-221.
- Zahra, S.A. & Pearce J.A., (1989. Boards of directors and corporate financial performance: A review and integrative model. *Journal of Management*, 15, 291-334.