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ORGANIZATIONAL CULTURAL CUSTOMER SERVICE, CULTURAL DIFFERENCES, & THE BIG 5 IN COSTA RICA, DENMARK, NIGERIA, SOUTH KOREA, SRI LANKA, AND VENEZUELA

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ABSTRACT

Costa Rica Customer Service is not too fast pace, we qualify them as slow when you visit institutions as police, banks, government, and some retail businesses. When going to a bank its visible the long lines form waiting for a turn to be serviced, government institutions it can be seen too. Venezuelan's customer service does not have much difference with Costa Rica, the service is slow, but I considered worst because governmental institutions needs to know people work on those institutions to make faster the process, so corruption is present on some areas. Power distance in Costa Rica is low because they abolish the Army in 1948, so CR does not believe much in inequalities, Venezuela scored high on this because political, businesses, and Military has more credibility on inequalities. All social layers accepted this behavior because always are looking to compete for more power. Costa Rica score low on Masculinity because the society accept women more to be responsible on some areas and the culture toward this area has become more accepted every time, the society has worked more in group and not to compete each other, in politics Costa Rica has more women at the parliament than Venezuela, which this country score high, putting women aside to be able on work more on same responsible jobs, Venezuela tends to be more competitive each other. Uncertainty Avoidance Costa Rica scored high because they do not like ambiguity and unknown situations, they have beliefs on the institutions and bureaucracy, Venezuela score a little lower, the society is looking for mechanism that can avoid ambiguity. Individualist in Costa Rica is low because the country citizens tends to be more collectivist, the society tends to trust more and have networking as way to deal with others, Venezuela scores less in this field, which is a society that try to help each other and have relations as one resource to help people. South Korea: East Asian countries such as South Korea are heavily influenced by religion: Buddhism, Taoism, and Confucianism. These religions promote peace and harmony within the in-group, which has led South Korea to have a high power distance gap. This means that the disparity in power between higher ups and subordinates is generally accepted. This however can cause problems within an organization due to a lack of communication within the social hierarchy. Nigeria: Within the African countries, Nigeria scores fairly high in terms of indulgence. A score of 84 indicates that people enjoy satisfying their own needs and focus on immediate happiness. By focusing on immediate happiness the country has cultivated a culture that focuses on the present moment. Being aware of your current situation can help an organization better assess what the problem is and how to address it. Denmark: This European country is one of the prime leaders in design thinking and innovation in the world. Denmark has stood out by fostering a culture of strong individualism. Individualism has allowed people to approach problems within an organization differently. IDEO is a prime example of this. This product design company was called to solve organization's most compelling problems, such as The Good Kitchen Story.

Denmark and Sri Lanka are two vastly different cultures. As expected, they have stark differences in their 6D model data and the data presented by the Big Five personality traits. For instance, power distance in Denmark is 18, while in Sri Lanka it is 80. This indicates that Danes expect equality and decentralize power; managers expect their teams to have experience and have autonomy in how they do their work. In contrast, Sri Lanka is extremely hierarchical, and power can be centralized, with one manager telling his/her employees what is expected of them. This power distance can affect strategic customer service because it affects how an employee could provide customer service. For instance, a Dane may find alternative solutions if a boss says no to something. A Sri Lankan, on the other hand, may simply just accept no as an answer and move on to something else. A trait from the 6D model, indulgence, could be used to correlate data from this model to the Big Five personality trait model. This trait would be the openness to experience. Sri Lanka did not even have a score for indulgence, therefore, it can be assumed to be 0. Denmark, however, had a score of 70. Indulgence is how people can control their desires; openness to experience is how accepting people are with doing something new. The higher the score is on the 6D model, the more they are indulgent or open to experience by correlation. Usually, those that are open to experience usually give in to their desires and adventurist instincts. A business based in Sri Lanka would probably use the same tried and true methods of customer service. However, the Danes would probably try to find alternative methods of customer service, with even the managers asking their team members to take initiative in finding those methods. This is in line with the Danes following their belief to be open to experience and indulging in those things that are different. In the end, how cultures act with one another influence how they deliver customer service. Denmark will try to implement new techniques and the managers will ask for input from team members about how to improve. Sri Lanka will probably continue to expand on their current practices that work, without really questioning alternatives. In the end, the scores represented on the 6D model and the Big Five personality traits influence how the countries themselves can deliver customer service in an effective way and what changes they may make for them.

REFERENCES

- Carpenter, C. & Carraher, S. M. (2007). An examination of the reliability of a measure of Porter's five factors model among business leaders. *International Journal of Family Business*, 4 (1), 87-90.
- Carraher, C. & Carraher, S. (1996). ISO 9000 An industrial management tool. *Polymeric Materials Encyclopedia* (Vol. 5 pages 3481-3484) edited by J. Salamone, Boca Raton, FL: CRC Press.
- Carraher, S. (1991). A validity study of the pay satisfaction questionnaire (PSQ). Educational and Psychological Measurement, 51 (2), 491-495.
- Carraher, S. (1991). On the dimensionality of the pay satisfaction questionnaire. *Psychological Reports*, 69 (3 Pt. 1), 887-890.
- Carraher, S. (1992). PSY 3363: Industrial Psychology. Norman, OK: U. of Oklahoma.
- Carraher, S. (1993). Another look at the dimensionality of a learning style questionnaire. *Educational and Psychological Measurement*, 53 (2), 411-415.
- Carraher, S. (1995). On the dimensionality of a learning style questionnaire. *Psychological Reports*, 77 (1), 19-23.
- Carraher, S. (2000). Pressing Problems in Modern Organizations (That Keep Us Up At Night). *Journal of Leadership Studies*, 7 (3), 136-138.
- Carraher, S. (2003). The father of cross-cultural research: An interview with Geert Hofstede. *Journal of Applied Management & Entrepreneurship*, 8 (2), 97-106.
- Carraher, S. (2005). An Examination of entrepreneurial orientation: A validation study in 68 countries in Africa, Asia, Europe, and North America. *International Journal of Family Business*, 2 (1), 95-100.
- Carraher, S. (2006). Felt fair pay of small to medium sized enterprise (SME) owners in Switzerland: An examination of Jaques' equity construct. *Journal of International Business and Entrepreneurship Development*, 3 (1/2), 109-120.

Carraher, S. (2006). Attitude towards benefits among SME owners in Eastern Europe: A 30-month study. *Global Business and Finance Review*, 11 (1), 41-48.

Carraher, S. (2008) Small Business Institute® Research Review Volume 35 [304 pages] SBANC.

- Carraher, S.M. (2008). A graduate certificate in entrepreneurial studies for medical and non-medical entrepreneurs. *International Journal of Family Business*, 5 (1), 13-14.
- Carraher, S.M. (2008). How to integrate a board of advisors in to the academic process. *International Journal* of Family Business, 5 (1), 43.
- Carraher, S.M. (2008). On-line SBI teams: Costco and beyond. *International Journal of Family Business*, 5 (1), 47.
- Carraher, S.M. (2008). Youth entrepreneurship: Strategic exercises for developing entrepreneurship among elementary school students. *International Journal of Family Business*, 5 (1), 67-68.
- Carraher, S.M. (2008). Using E-Bay to teach global and technological entrepreneurship *International Journal* of Family Business, 5 (1), 63-64.
- Carraher, S.M. (2011). Turnover prediction using attitudes towards benefits, pay, and pay satisfaction among employees and entrepreneurs in Estonia, Latvia, & Lithuania. *Baltic Journal of Management* 6 (1), 25-52.
- Carraher, S.M., Buchanan, J.K., & Puia, G. (2010). Entrepreneurial Need for Achievement in China, Latvia, and the USA. *Baltic Journal of Management*, 5 (3), 378-396.
- Carraher, S. & Buckley, M. R. (1996). Cognitive complexity and the perceived dimensionality of pay satisfaction. *Journal of Applied Psychology*, 81 (1), 102-109.
- Carraher, S.M. & Buckley, M.R. (2008). Attitudes towards benefits and behavioral intentions and their relationship to Absenteeism, Performance, and Turnover among nurses. *Academy of Health Care Management Journal*, 4 (2), 89-109.
- Carraher, S., Buckley, M., Mea, W., Carraher, S.C., & Carraher, C. (2006). Entrepreneurship and leadership: Why we have an ethical obligation to assess change in entrepreneurial research. *International Journal* of Family Business, 3 (1), 19-31.
- Carraher, S., Buckley, M., Scott., C., Parnell, J., & Carraher, C. (2002). Customer service selection in a global entrepreneurial information services organization. *Journal of Applied Management and Entrepreneurship*, 7 (2), 45-55.
- Carraher, S. & Carraher, C. (1994). ISO 9000 theories of management. Polymer News, 19, 373-376.
- Carraher, S. & Carraher, C. (1995). Total quality management applied to industry ISO 9000. *Journal of Polymer Materials*, 12, 1-9.
- Carraher, S. & Carraher, C. (1996). ISO environmental management standards: ISO 14,000. *Polymer News*, 21, 167-169.
- Carraher, S. & Carraher, C. (1996). ISO 9000. Polymer News, 21, 21-24.
- Carraher, S. & Carraher, S.C. (2005). Felt fair pay of small to medium, sized enterprise (SME) owners in Finland and Latvia: An examination of Jaques' equity construct. *Journal of Small Business Strategy*, 16 (1), 1-8.
- Carraher, S. & Carraher, S.C. (2006). Human resource issues among SME's in Eastern Europe: A 30 month study in Belarus, Poland, and Ukraine. *International Journal of Entrepreneurship*, 10, 97-108.
- Carraher, S., Carraher, S.C., & Whitely, W. (2003). Global entrepreneurship, income, and work norms: A Seven country study. *Academy of Entrepreneurship Journal*, 9 (1), 31-42.
- Carraher, SM, Crocitto, MM, & Sullivan SE. (2014) "A kaleidoscope career perspective on faculty sabbaticals", *Career Development International*, Vol. 19 Iss: 3, pp.295 – 313.
- Carraher, S., Franklin, G., Parnell, J., & Sullivan, S. (2006). Entrepreneurial service performance and technology management: A study of China and Japan. *Journal of Technology Management in China*, 1 (1), 107-117.
- Carraher, S. & Parnell, J. (2008). Customer service during peak (in season) and non-peak (off season) times: A multi-country (Austria, Switzerland, United Kingdom and United States) examination of entrepreneurial tourist focused core personnel. *International Journal of Entrepreneurship*, 12, 39-56.
- Carraher, S., Parnell, J., Carraher, S.C., Carraher, C., & Sullivan, S. (2006). Customer service, entrepreneurial orientation, and performance: A study in health care organizations in Hong Kong, Italy, New Zealand, the United Kingdom, and the USA. *Journal of Applied Management & Entrepreneurship*, 11 (4), 33-48.
- Carraher, S.M., Parnell, J., & Spillan, J. (2009). Customer service-orientation of small retail business owners in Austria, the Czech Republic, Hungary, Latvia, Slovakia, and Slovenia. *Baltic Journal of Management*, 4 (3), 251-268.
- Carraher, S., Scott, C., & Carraher, S.C. (2004). A comparison of polychronicity levels among small business owners and non business owners in the U.S., China, Ukraine, Poland, Hungary, Bulgaria, and Mexico. *International Journal of Family Business*, 1 (1), 97-101.

- Carraher, S. & Sullivan, S. (2003). Employees' contributions to quality: An examination of the Service Orientation Index within entrepreneurial organizations. *Global Business & Finance Review*, 8 (1) 103-110.
- Carraher, S., Sullivan. S., & Carraher, C. (2004). Validation of a measure of international stress: Findings from multinational health service organization professionals. *Journal of Applied Management & Entrepreneurship* 9 (3) 3-21.
- Carraher, S., Sullivan, S. & Carraher, S.C. (2005). An examination of the stress experience by entrepreneurial expatriate health care professionals working in Benin, Bolivia, Burkina Faso, Ethiopia, Ghana, Niger, Nigeria, Paraguay, South Africa, and Zambia. *International Journal of Entrepreneurship*, 9, 45-66.
- Carraher, S.M., Sullivan, S.E., & Crocitto, M. (2008). Mentoring across global boundaries: An empirical examination of home- and host-country mentors on expatriate career outcomes. *Journal of International Business Studies*, 39 (8), 1310-1326.
- Carraher, S.M. & Van Auken, H. (2013), The use of financial statements for decision making by small firms. *Journal of Small Business & Entrepreneurship*, 26, (3), 323-336.
- Carraher, S.M. & Welsh, D. H. (2009; 2015). Global Entrepreneurship. Kendall Hunt P.
- Carraher SM, Welsh, Dianne H.B., and Svilokos, A. (2016) 'Validation of a measure of social entrepreneurship' *European Journal of International Management*, 10 (4), 386-402.
- Carraher, S. & Whitely, W. (1998). Motivations for work and their influence on pay across six countries. *Global Business and Finance Review*, 3, 49-56.
- Carraher, S.M., Yuyuenyongwatana, R., Sadler, T., & Baird, T. (2009). Polychronicity, leadership, and language influences among European nurses: Social differences in accounting and finances, *International Journal of Family Business*, 6 (1), 35-43.
- Chait, H., Carraher, S., & Buckley, M. (2000). Measuring service orientation with biodata. *Journal of Managerial Issues*, 12, 109-120.
- Chan, S. & Carraher, S. (2006). Chanian chocolate: Ethical leadership in new business start-ups. *International Journal of Family Business*, 3 (1), 81-97.
- Crocitto, M., Sullivan, S., & Carraher, S. (2005). Global mentoring as a means of career development and knowledge creation: A learning based framework and agenda for future research. *Career Development International*, 10 (6/7), 522-535.
- Davis, T., Schwarz, A. & Carraher, S. (1998). Validation study of the motivation for occupational choice scale. *Psychological Reports*, 82 (2) 491-494.
- Deng, F.J., Huang, L.Y., Carraher, S.M., & Duan, J. (2009). International expansion of family firms: An integrative framework using Taiwanese manufacturers. *Academy of Entrepreneurship Journal*, 15 (1), 25-42.
- Francis, D., Huang, L., & Carraher, S. (2004). Top management teams and friendship: Results from the USA and Taiwan. *International Journal of Family Business*, 1 (1), 73-86.
- Hart, D. & Carraher, S. (1995). The development of an instrument to measure attitudes towards benefits. *Educational and Psychological Measurement*, 55 (3), 498-502.
- Huang, L.Y. & Carraher, S. (2004). How effective are expatriate management and guanxi networks: Evidence from Chinese Industries. *International Journal of Family Business*, 1 (1), 1-23.
- Karsteter, K., Brown, N., & Carraher, S. (2006). From the Artist's hand: Managing arts and crafts businesses. *International Journal of Family Business*, 3 (1), 69-78.
- Keyes, C., Vinson, T., Hay, S. & Carraher, S. M. (2007). Parrish photography Part 1: Strategic Ethical Leadership. *International Journal of Family Business*, 4 (1), 67-82.
- Krishnan, V.S., Duan, J., Carraher, S.M., & Chan, S. (2007). GPS Real Estate Services. *Journal of Applied Management & Entrepreneurship*, 12 (4), 51-59.
- Lester, D., Parnell, J., & Carraher, S. (2003). Organizational life cycle: A five-stage empirical scale. *International Journal of Organizational Analysis*, 11 (4), 339-354.
- Mea, W. & Carraher, SM (2005). Leaders speak: Success and failure in their own words. In R. Sims & S. Quatro (Eds). Leadership: Succeeding in the Private, Public, and Not-for-profit Sectors. Armonk, NY: M.E. Sharpe, Inc. Pp 297-317.
- McBride, A., Mendoza, J., & Carraher, S. (1997). Development of a biodata index to measure serviceorientation. *Psychological Reports*, 81 (3 Pt 2), 1395-1407.
- Paridon, T. & Carraher, S.M. (2009). Entrepreneurial marketing: Customer shopping value and patronage behavior. *Journal of Applied Management & Entrepreneurship*, 14 (2), 3-28.
- Paridon, T., Carraher, S., & Carraher, S.C. (2006). The income effect in personal shopping value, consumer self-confidence, and information sharing (word of mouth communication) research. Academy of Marketing Studies, 10 (2), 107-124.
- Paridon, T., Taylor, S., Cook, R., & Carraher, S. M. (2008). SBI mentoring: Training SBI directors to be directors. *International Journal of Family Business*, 5 (1), 35-36.

- Peng, M.W., Ahlstrom, D., Carraher, S.M., & Shi, W. (2017). An institution-based view of global IPR History. *Journal of International Business Studies*, 48.
- Peng, M.W., Ahlstrom, D., Carraher, S.M., & Shi, W. (2017). History and the Debate over Intellectual Property. *Management and Organization Review*, 13 (1).
- Scarpello, V. & Carraher, S.M. (2008). Are pay satisfaction and pay fairness the same construct? A crosscountry examination among the self-employed in Latvia, Germany, the UK, and the USA. *Baltic Journal of Management*, 3 (1), 23-39.
- Seladurai, R. & Carraher, S.M. (2014). Servant Leadership: Research and Practice. IGI Global Business Science Reference.
- Sethi, V. & Carraher, S. (1993). Developing measures for assessing the organizational impact of information technology: A comment on Mahmood and Soon's paper. *Decision Sciences*, 24, 867-877.
- Smothers, J., Hayek, M., Bynum, L.A., Novicevic, M.M., Buckley, M.R., & Carraher, S.M. (2010). Alfred D. Chandler, Jr.: Historical impact and historical scope of his works. *Journal of Management History*, 16 (4), 521-526.
- Sturman, M. & Carraher, S. (2007). Using a Random-effects model to test differing conceptualizations of multidimensional constructs. Organizational Research Methods, 10 (1), 108-135.
- Sullivan, S.E., Carraher, S.M., Baker, L., Cochrane, D., & Robinson, F. (2009). The entrepreneurial dilemma: Grow or status quo?: A real case. *Journal of Applied Management & Entrepreneurship*, 14 (4), 37-53.
- Sullivan, S., Crocitto, M. & Carraher, S. (2006). Chapter 4 The fundamentals of reviewing. In Y. Baruch, S. Sullivan, & H., Schepmyer (Eds). Winning Reviews: A Guide for Evaluating Scholarly Writing. Palgrave Macmillan. Pp 65-78.
- Sullivan, S.E., Forret, M., Carraher, S.M., & Mainiero, L. (2009). Using the kaleidoscope career model to examine generational differences in work attitudes. *Career Development International*, 14 (3), 284-302.
- VanAuken, H. & Carraher, S.M. (2012). An analysis of funding decisions for niche agricultural producers. *Journal of Developmental Entrepreneurship*, 17 (2), 12500121-125001215.
- Van Auken, H. & Carraher, S. (2013). Influences on frequency of preparation of financial statements among SMEs. *Journal of Innovation Management*, *1*(1), 143-157.
- Welsh, D.H.B. & Carraher, S.M. (2009). An examination of the relationship between the mission of the university, the business school, and the entrepreneurship center: An application of Chandler's strategy and structure hypothesis. *Journal of Applied Management & Entrepreneurship*, 14 (4), 25-36.
- Welsh, D.H. & Carraher, S.M. (2011). Case Studies in Global Entrepreneurship. Kendall Hunt P.
- Williams, M.L., Brower, H.H., Ford, L.R., Williams, L.J., & Carraher, S.M. (2008). A comprehensive model and measure of compensation satisfaction. *Journal of Occupational and Organizational Psychology*, 81 (4), 639-668.
- Yuyuenyongwatana, R. & Carraher, S.M. (2008/2009). Academic journal ranking: Important to strategic management and general management researchers? *Journal of Business Strategies*, 25 (2), 1-8.

FACTORS AFFECTING JOB SATISFACTION AND RETENTION OF MILLENNIALS

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ABSTRACT

This paper attempted to find drivers of job satisfaction and retention at workplace amongst millennials in 2016. This study proposed six factors such as age, work-related attitude, empowerment, leadership style, diversity and training. Data was collected via inperson surveys, and analyzed via regression and logistic regression models. Evidence showed that millennials' job satisfaction and retention rates are significantly related to workrelated attitude and leadership style. Further, of the three leadership styles evaluated (Authoritarian, Transformational and Laissez-Faire), Transformational leadership is found to have the most statistical significance in impacting job satisfaction and employee retention rates for staff of the millennial generation. These drivers increase job satisfaction, which consequently drives retention rates in a positive manner.

INTRODUCTION

As more and more millennials enter the workforce, managers must practice different methods of leadership to ensure these new hires feel challenged and satisfied in their working environment. Employee retention is directly influenced by job satisfaction. However, data suggests that there are factors such as work flexibility, work-life balance, responsibility and management styles that differ based on generation. These differences require skilled leadership that is capable of adapting to meet employee expectations in these areas.

Many studies have been conducted related to work performance, job satisfaction and employee retention. When studying the different experiences that employees of varied generations face in the workplace, Kowske, Rasch and Wiley (2010) learned employees of the millennial generation have different work habits and attitudes than those of prior generations. In fact, training employees who are millennials can sometimes be difficult. This is because millennials tend to be the most educated and tech savvy group in the workforce, which in turn makes them want responses to emails, questions and text messages rather quickly Cekada (2012). Since this generation of employees tend to work at fast pace, it may cause discord in the office amongst employees of older generations who may not be as educated, lack tech savvy skills, or work at a different pace than millennials. On the other hand, a study by Hershatter and Esptein (2010) showed that millennials have been so protected in their youth that they will need extra guidance and direction in order to succeed in the workplace. Although many studies and a variety research has been done, there is still room for clarity on what leadership styles are best suited to serve millennials. The crop of millennial employees entering the workforce is large. Managers are having difficulty finding ways to lead this generation of staff effectively because they are uneducated about the expectations and needs of this group of hires. A literature review found no prior studies that identified the significance of drivers impacting millennial job satisfaction and retention rates. The lack of this data served as a motivator in the analysis of age, empowerment, diversity, leadership-style, work-related attitude and training and what role the previously listed criteria play on the millennial workforce.

The research analyzed to date is informative, yet lacks specific discipline in isolating which factors influence job satisfaction and retention rates amongst millennials. Therefore, the purpose of this study is to identify which criteria impacts job satisfaction and retention rates amongst millennials, in order to support managers as they bring on new talent. Isolating these factors that are most significant, will allow managers to transition millennials into the workforce seamlessly, and ensure these employees' are satisfied and productive in their careers. Thus, improving employee loyalty.

The sample audience tested in this survey are millennials in the workforce. This collection of individuals consisted of both male and female participants from a broad selection of industries at organizations ranging in scale from small businesses to large corporations. The participants received a short in-person questionnaire that asked a total of 27 questions related to job satisfaction and retention drivers. The data collected from this multivariate survey was then analyzed via regression models, correlation analyses and logistic regression model.

In Section 2, a literature review of prior research and studies is prepared. This information was influential to the development of the research hypotheses, and the survey design. Section 3 elaborates on the methodology of the study. Section 4 provides results of statistical analyses. Data analyses along with both managerial implications and suggestions are shared in Section 5 of this paper. Section 6 concludes the study.

CONCLUSION

In conclusion, there are many factors that directly influence the job satisfaction and employee retention rates of millennials within the workforce. Data collected via in-person surveys and analyzed via SPSS modeling verified statistically that millennials' job satisfaction and retention rates are significantly related to the following independent variables; work-related attitude and leadership style. Further, of the three leadership styles evaluated (Authoritarian, Transformational and Laissez-Faire), Transformational leadership is found to have the most statistical significance in impacting job satisfaction and employee retention rates for staff of the millennial generation.

This data was confirmed through an analysis that reviewed the following six factors age, work-related attitude, empowerment, leadership style, diversity and training. Details of our findings reveal there is a significant relationship between work-related attitude and job satisfaction as well as leadership style and job satisfaction. These drivers increase job satisfaction, which consequently drives retention rates in a positive manner. Thus, we can accept hypothesis 2 and hypothesis 4 in this study.

The limitations of the data tested in this study included sample size, segmentation, lack of previous literature and data on the topic. A larger sample of more than 50 participants would have been beneficial to increase the validity of the findings and to strengthen the significance of relationships evaluated. This may be something to consider for future research. We suggest future research captures a sample of 200+ survey respondents. In which case, future authors may want to use Structural Equation Modeling (SEM) to analyze the data from their research.

For the purpose of this study, the millennial generation was segmented. While this was important in order to achieve our overall goal, it would have been interesting to see how the data was impacted, had the sample been broader (i.e. include more respondents of varied generation). This may be something to consider for future research. In which case, future authors may want to use the Cross-classified Hierarchical Linear Modeling Approach, similar to the way Constanza and Badger, analyzed their research, in order to quantitatively

investigate the differences amongst employees of varied generations (Costanza, Badger, Fraser, Severt and Gade, 2012).

Finally, the lack of studies conducted with a focus specific to millennial job satisfaction and retention rates made this analysis more difficult. To compromise for this lack of previous literature and data, a survey was drafted to help capture valuable information from the sample group. The data from this survey was then analyzed for the purpose of this paper. Future studies, may have to do the same should there not be enough literature or data for their research. In the event further surveys must be drafted for future research, we suggest the author's include more questions per independent variable. That will help to strengthen their dataset and the validity of their findings when comparing the variables to each other.

In closing, the literature review, research and empirical evidence of this study supports that specific factors do influence millennials' job satisfaction and retention rates. Managers can maximize job satisfaction and millennial retention if they exercise Transformational leadership and actively promote positive work-related attitudes within their organization. Should employers focus on investing in these drivers, millennials within the workforce will benefit. In turn, the employees will feel encouraged to contribute to their respective organization's success. If managers are capable of meeting the needs of this isolated segment of employees (millennials), it is safe to assume that the happy employees will continue to show strong performance for the company. Additionally, the millennials will feel valued, satisfied and loyal to the organization, thus increasing their overall productivity and decreasing the likelihood that they will "jump-ship," looking elsewhere for employment.

REFERENCES

- Arsenault, P. M. (2004). Validating generational differences: a legitimate diversity and leadership issue. *Leadership & Organization Development Journal*, 25(2), 124-141. doi:10.1108/01437730410521813
- Becton, J. B., Walker, H. J., & Jones-Farmer, A. (2014). Generational differences in workplace behavior. *Journal of Applied Social Psychology*, 44(3), 175-189. doi:10.1111/jasp.12208
- Cekada, T. L. (2012). Training a multigenerational workforce. Professional Safety, 57(3), 40-44.
- Chung-Kai, L., & Chia-Hung, H. (2009). The influence of transformational leadership on workplace relationships and job performance. *Social Behavior & Personality: An International Journal*, 37(8), 1129-1142.
- Costanza, D., Badger, J., Fraser, R., Severt, J., & Gade, P. (2012). Generational differences in work-related attitudes: a meta-analysis. *Journal of Business & Psychology*, 27(4), 375-394. doi:10.1007/s10869-012-9259-4
- Dols, J., Landrum, P., & Wieck, K. L. (2010). Leading and managing an intergenerational workforce. *Creative Nursing*, 16(2), 68-74. doi:10.1891/1078-4535.16.2.68
- Doucet, O., Poitras, J., & Chênevert, D. (2009). The impacts of leadership on workplace conflicts. *International Journal of Conflict Management*, 20(4), 340-354. doi:10.1108/10444060910991057
- Ferri-Reed, J. (2014). Are millennial employees changing how managers manage? *The Journal for Quality and Participation*, 37(2), 15-18, 35. Retrieved from
- http://0-search.proquest.com.www.consuls.org/docview/1552784156?accountid=9970
- Gentry, W. A., Griggs, T. L., Deal, J. J., Mondore, S. P., & Cox, B. D. (2011). A comparison of generational differences in endorsement of leadership practices with actual leadership skill level. *Consulting Psychology Journal: Practice and Research*, 63(1), 39-49. doi:10.1037/a0023015
- Hantula, D. A. (2015). Job satisfaction: the management tool and leadership responsibility. *Journal of Organizational Behavior Management*, 35(1/2), 81-94. doi:10.1080/01608061.2015.1031430
- Hershatter, A., & Epstein, M. (2010). Millennials and the world of work: an organization and management perspective. *Journal of Business & Psychology*, 25(2), 211-223. doi:10.1007/s10869-010-9160-y
- Kowske, B., Rasch, R., & Wiley, J. (2010). Millennials' (lack of) attitude problem: an empirical examination of generational effects on work attitudes. *Journal of Business & Psychology*, 25(2), 265-279. doi:10.1007/s10869-010-9171-8
- Martin, J., & Gentry, W. A. (2011). Derailment signs across generations: more in common than expected. *Psychologist-Manager Journal*, 14(3), 177-195. doi:10.1080/10887156.2011.595973

- Real, K., Mitnick, A., & Maloney, W. (2010). More Similar than Different: Millennials in the U. S. Building Trades. *Journal of Business & Psychology*, 25(2), 303-313. doi:10.1007/s10869-010-9163-8
- Ruys, J. (2013). Leadership behaviors and workplace factors millennial workers find important for job satisfaction and retention (Order No. 3573678). Available from ProQuest Dissertations & Theses Global (1437647806). Retrieved from
- http://0-search.proquest.com.www.consuls.org/docview/1437647806?accountid=9970
- Sherman, R. (2006). Leading a multigenerational nursing workforce: issues, challenges and strategies. *Online Journal of Issues In Nursing*, 11(2), 5.
- Wong, C. A., & Laschinger, H. K. (2013). Authentic leadership, performance, and job satisfaction: the mediating role of empowerment. *Journal of Advanced Nursing*, 69(4), 947-959. doi:10.1111/j.1365-2648.2012.06089.x
- Yu, H., & Miller, P. (2005). Leadership style: The X Generation and Baby Boomers compared in different cultural contexts. *Leadership & Organization Development Journal*, 26(1), 35-50. doi:10.1108/01437730510575570

CUSTOMER SERVICE ORGANIZATIONAL CULTURE, CULTURAL DIFFERENCES, & THE BIG 5 IN HONG KONG, TAIWAN, & THE UNITED STATES

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ABSTRACT

Innovation in technology has revolutionized global markets. Communication between nations is easier and faster than ever, and the world is the smallest it has ever been. As nations become linked through business ventures it is important to identify and understand how cultural differences effect different aspects of business. Taking a look at two nations that frequently conduct business together, the United States and Taiwan, it is immediately apparent that there is significant cultural contrast. After analyzing Hofstede's 6-D Model, it is clear that the largest cultural differences focus around each nations views on individualism and long-term orientation. A nations viewpoint on individualism bleeds into nearly every aspect of business culture. Individualistic societies have a primary focus on each citizen taking care of themselves first, and then close family members. In a collectivist society, individual citizens are more focused on unity and the collective as a whole. The United States and Taiwan are on completely opposite sides of the individualism spectrum. The United States is a highly individualistic society. The majority of citizens pride themselves on their ability to be self-efficient and independent, and often times fall on the extroversion side of the big five personality traits. In contrast, Taiwan scores very low on individualism. Citizens of Taiwan place importance on close relationships and social unity. This heavily translates to business culture in differences of customer services. With a highly collectivist society, such as Taiwan, customer service is of extreme importance in business. Often times before any business occurs, there must be some form of personal relationship in place. This develops a strong bond between business and helps strengthen trust. Business in the United States is generally operated quite differently. Customer Service often times takes a seat on the back burner. Most business partnerships or deals are done before any personal relationships are made, and sometimes personal relationships are never made. While they may be very individualistic, the United States does have a more open social construct, there often times businesses have a cooperative strategy and other ideas are heard. United States citizens also value transparency in trade, and consumers desire transparency for pricing and products. Ultimately, the United States is very used to conducting business with strangers, and while customer service may be considered important, it often goes to the wayside in order to make room for more aggressive business tactics. Long-term orientation also has significant effects on strategic customer service. A country who scores very low on Hofstede's long-term orientation tend to look at business strategy and goals through a very quick, short term lens. This is how the Unites States operates. Most business decisions are focused on short term goals, and very quick decisions. Taiwan, a nation that scored very highly on long-term orientation has the opposite

vision when it comes to business. They are very long term goal driven and focus on decisions that affect the distant trajectory of the company. This effects customer service in a similar way that individualism does. Nations with short-term orientation are less focused on developing long term business and personal relationships, while long-term oriented companies are quite the opposite. Because of this, customer services and relationship development is not a priority for businesses in the United States, and is of utmost importance in Taiwan. Hofstede's 6D model result for these 3 countries. Hong Kong has the highest rating (68) in power distance, whereas USA has the lowest (40) among the three countries. In contrast, US has the highest rating in indulgence (68) and Hong Kong has the lowest (17). Indulgence is a new model in Hofstede's 6D Model, which means the extent to which people try to control their desire. That's mean Americans are more enjoy life and have fun versus Hong Kong is more restraint to their desire due to high competitive and pressure living environment. However, US has the highest rating in individualism (91) as well as masculinity (62). Taiwan has the lowest rating in these two models - 17 for individualism and 45 for masculinity. For uncertainty avoidance, Taiwan rank the highest and Hong Kong is the lowest with score 69 and 29. Lastly, the score from Taiwan in long term orientation is far beyond Hong Kong and USA, standing at 93 and comparing to 61 and 26. Big five personality dimensions are not only universal but also have biological origin, that's mean people from the same country would have similar personalities based upon these dimensions. And these big five dimensions are: Openness to experience which is inventive or curious versus consistent or cautious; Conscientiousness; Extroversion (outgoing/ energetic versus solitary/ reserved); Agreeableness (Friendly or compassionate versus analytical or detached), and the last one is neurotic-ism (sensitive or nervous versus secure or confident). It is very difficult to determine which countries have these personalities though. Based upon above simple researches, Taiwan people focus on long term relationship. So, it is very important for the company to build up a long term relationship with their consumers to gain their loyalty. Customer services to Hong Kong people need to give them more respects. More high-tech or new invention products are needed to attract American's customers.

REFERENCES

- Ahmed, ZU., Zgheib, PH, Carraher, SM & Kowatly, AK. (2013) "Public policy and expatriate entrepreneurs", *Journal of Entrepreneurship and Public Policy*, Vol. 2 Iss: 1, pp.42 – 53.
- Baugh, S. Gayle, Sullivan, Sherry E., & Carraher, S.M. (2013). Global Careers in the United States. In *Careers without Borders: Critical Perspectives* by Reis, Chistina & Baruch, Yehuda Published by Routledge. [pages 297-322; Chapter 16].
- Bhattacharya, T.K. & Carraher, S.M. (2008). How to teach high school students about entrepreneurial finance: The Financial Challenge *International Journal of Family Business*, 5 (1), 69.
- Buckley, M.R., Carraher, S.M., Carraher, S.C., Ferris, G.R., & Carraher, C.E. (2008). Human resource issues in global entrepreneurial high technology firms: Do they differ? *Journal of Applied Management & Entrepreneurship*, 13 (1), 4-14.
- Buckley, M., Carraher, S., & Cote, J. (1992). Measurement issues concerning the use of inventories of job satisfaction. *Educational and Psychological Measurement*, 52 (3), 529-542.
- Buckley, M., Carraher, S., Ferris, G., & Carraher, C. (2001). Human resource concerns in entrepreneurial multinational high technology firms. *Journal of Applied Management and Entrepreneurship*, 6 (1), 97-104.
- Buckley, M., Fedor, D., Carraher, S., Frink, D., & Marvin, D. (1997). The ethical obligation to provide recruits realistic job previews. *Journal of Managerial Issues*, 9 (4), 468-484.
- Buckley, M., Fedor, D., Veres, J., Wiese, D., & Carraher, S. (1998). Investigating newcomer expectations and jobrelated outcomes. *Journal of Applied Psychology*, 83, 452-461.

- Buckley, M., Mea, W., Weise, D., & Carraher, S. (1998). Evaluation change in public organizations: An Alpha, Beta, Gamma change perspective. In *Accountability and Radical Change in Public Organizations* (pages 229-241) edited by Ronald R. Sims, Westport, CT: Quorum Books.
- Buckley, M., Mobbs, T., Mendoza, J., Novicevic, M., Carraher, S., & Beu, D. (2002). Implementing realistic job previews and expectation lowering procedures: A field experiment. *Journal of Vocational Behavior*, 61 (2), 263-278.
- Budd, J. & Carraher, S. (1998). Validation of an inventory to measure attributes of strategic management. *Psychological Reports*, 82 (3 Pt 2), 1220-1222.
- Burgess, S., Johnson, C., & Carraher, S.M. (2008). Cameron University Leaders and Entrepreneurs: Developing the next generation of leaders and entrepreneurs. *International Journal of Family Business*, 5 (1), 45-46.
- Carraher, C. & Carraher, S. (1996). ISO 9000 An industrial management tool. *Polymeric Materials Encyclopedia* (Vol. 5 pages 3481-3484) edited by J. Salamone, Boca Raton, FL: CRC Press.
- Carraher, C.E., Carraher, S.M., & Stewart, H.H. (2010). Metal-containing polymer structures for enhancing seed germination and plant growth. *Advances in Environmental Biology*, 4 (1), 108-116.
- Carraher, C.E., Carraher, S.M., & Stewart, H.H. (2011). Plant growth hormone-containing polymers for enhanced seed germination and plant growth. *Journal of Polymeric Materials*, 28 (2), 287-301.
- Carraher, C., Gaonkar, A., Stewart, H., Miao, S., & Carraher, S. (1998). Structural characterization and effects of Gibberellic acid-containing Organotin polymers on sawgrass and cattail germination and seedling growth for everglades restoration. In *Tailored Polymeric Materials for Controlled Delivery Systems* (pages 295-308) edited by Iain McCulloch and Shalaby W. Shalaby, Washington, DC: American Chemical Society & Oxford University Press.
- Carraher, C., Stewart, H., Carraher, S., Chamely, Learned, W., Helmy, J., Abey, K., & Salamone, A. (2002). Condensation polymers as controlled release materials for enhanced plant and food production: Influence of gibberellic acid and gibberellic acid-containing polymers on food crop seed. In *Functional Condensation Polymers* (Chapter 16, pages 223-234) edited by Charles E. Carraher, Jr. & Graham G. Swift, New York: Kluwer Academic/Plenum Publishers
- Carraher, S.M. (2011). Turnover prediction using attitudes towards benefits, pay, and pay satisfaction among employees and entrepreneurs in Estonia, Latvia, & Lithuania. *Baltic Journal of Management* 6 (1), 25-52.
- Carraher, SM (2012) "Global and empirical management history?", Journal of Management History, Vol. 18 Iss: 3
- Carraher, SM (2012) "Social entrepreneurship: interviews, journal surveys, and measures", *Journal of Management History*, Vol. 18 Iss: 4
- Carraher, SM (2013) "ISI, social entrepreneurship, and research", Journal of Management History, Vol. 19 Iss: 1
- Carraher, SM (2013) "Signaling intelligence, management history, marry-go-round, and research", *Journal of Management History*, Vol. 19 Iss: 2.
- Carraher, SM (2013) "Follett, Barnard and Taylor", Journal of Management History, Vol. 19 Iss: 4
- Carraher SM. (2014) "Leadership, entrepreneurship, and suggestions for future research", *Journal of Management History*, Vol. 20 Iss: 1.
- Carraher Shawn, (2014) "Dutton, management philosophy, realistic job previews, and Weber", *Journal of Management History*, Vol. 20 Iss: 2.
- Carraher Shawn , (2014) "Kathryn Harrigan, Management History, and Michael Peng", Journal of Management History, Vol. 20 Iss: 3.
- Carraher Shawn M., (2014) "AACSB standards, Academy of Management and 3000 Citations", *Journal of Management History*, Vol. 20 Iss: 4.
- Carraher, SM (2014) "Leadership, entrepreneurship, and suggestions for future research", *Journal of Management History*, Vol. 20 Iss: 1
- Carraher, SM. (2015). "Denise Rousseau, 20 Years of the JMH, and goodbye" *Journal of Management History* Volume 21 Issue 4.
- Carraher, SM. (2015). "4000 citations for the JMH and Strategic IQ". Journal of Management History 21 (3).
- Carraher, SM. (2015) "Signaling intelligence, signaling theory, Project A, and excellent management history research", *Journal of Management History*, Vol. 21 Iss: 2
- Carraher, SM. (2015) "Objectivism, Lyman Porter and ethical leadership", Journal of Management History, 21 (1).
- Carraher, S.M., Buchanan, J.K., & Puia, G. (2010). Entrepreneurial Need for Achievement in China, Latvia, and the USA. *Baltic Journal of Management*, 5 (3), 378-396.

- Carraher, S. & Buckley, M. R. (1996). Cognitive complexity and the perceived dimensionality of pay satisfaction. *Journal of Applied Psychology*, 81 (1), 102-109.
- Carraher, S.M. & Buckley, M.R. (2008). Attitudes towards benefits and behavioral intentions and their relationship to Absenteeism, Performance, and Turnover among nurses. *Academy of Health Care Management Journal*, 4 (2), 89-109.
- Carraher, S., Buckley, M., Mea, W., Carraher, S.C., & Carraher, C. (2006). Entrepreneurship and leadership: Why we have an ethical obligation to assess change in entrepreneurial research. *International Journal of Family Business*, 3 (1), 19-31.
- Carraher, S., Buckley, M., Scott., C., Parnell, J., & Carraher, C. (2002). Customer service selection in a global entrepreneurial information services organization. *Journal of Applied Management and Entrepreneurship*, 7 (2), 45-55.
- Carraher, S. & Carraher, C. (1994). ISO 9000 theories of management. Polymer News, 19, 373-376.
- Carraher, S. & Carraher, C. (1995). Total quality management applied to industry ISO 9000. *Journal of Polymer Materials*, 12, 1-9.
- Carraher, S. & Carraher, C. (1996). ISO environmental management standards: ISO 14,000. *Polymer News*, 21, 167-169.
- Carraher, S. & Carraher, C. (1996). ISO 9000. Polymer News, 21, 21-24.
- Carraher, S. & Carraher, S.C. (2005). Felt fair pay of small to medium, sized enterprise (SME) owners in Finland and Latvia: An examination of Jaques' equity construct. *Journal of Small Business Strategy*, 16 (1), 1-8.
- Carraher, S. & Carraher, S.C. (2006). Human resource issues among SME's in Eastern Europe: A 30 month study in Belarus, Poland, and Ukraine. *International Journal of Entrepreneurship*, 10, 97-108.
- Carraher, S., Carraher, S.C., & Whitely, W. (2003). Global entrepreneurship, income, and work norms: A Seven country study. *Academy of Entrepreneurship Journal*, 9 (1), 31-42.
- Carraher, SM, Crocitto, MM, & Sullivan SE. (2014) "A kaleidoscope career perspective on faculty sabbaticals", *Career Development International*, Vol. 19 Iss: 3, pp.295 – 313.
- Carraher, S., Franklin, G., Parnell, J., & Sullivan, S. (2006). Entrepreneurial service performance and technology management: A study of China and Japan. *Journal of Technology Management in China*, 1 (1), 107-117.
- Carraher, S. & Parnell, J. (2008). Customer service during peak (in season) and non-peak (off season) times: A multi-country (Austria, Switzerland, United Kingdom and United States) examination of entrepreneurial tourist focused core personnel. *International Journal of Entrepreneurship*, 12, 39-56.
- Carraher, S., Parnell, J., Carraher, S.C., Carraher, C., & Sullivan, S. (2006). Customer service, entrepreneurial orientation, and performance: A study in health care organizations in Hong Kong, Italy, New Zealand, the United Kingdom, and the USA. *Journal of Applied Management & Entrepreneurship*, 11 (4), 33-48.
- Carraher, S.M., Parnell, J., & Spillan, J. (2009). Customer service-orientation of small retail business owners in Austria, the Czech Republic, Hungary, Latvia, Slovakia, and Slovenia. *Baltic Journal of Management*, 4 (3), 251-268.
- Carraher, S., Scott, C., & Carraher, S.C. (2004). A comparison of polychronicity levels among small business owners and non business owners in the U.S., China, Ukraine, Poland, Hungary, Bulgaria, and Mexico. *International Journal of Family Business*, 1 (1), 97-101.
- Carraher, S., Sullivan, S. & Carraher, S.C. (2005). An examination of the stress experience by entrepreneurial expatriate health care professionals working in Benin, Bolivia, Burkina Faso, Ethiopia, Ghana, Niger, Nigeria, Paraguay, South Africa, and Zambia. *International Journal of Entrepreneurship*, 9, 45-66.
- Carraher, S.M., Sullivan, S.E., & Crocitto, M. (2008). Mentoring across global boundaries: An empirical examination of home- and host-country mentors on expatriate career outcomes. *Journal of International Business Studies*, 39 (8), 1310-1326.
- Carraher, S.M. & Van Auken, H. (2013), The use of financial statements for decision making by small firms. *Journal of Small Business & Entrepreneurship*, 26, (3), 323-336.
- Carraher, S.M. & Welsh, D. H. (2009; 2015). Global Entrepreneurship. Kendall Hunt P.
- Carraher SM, Welsh, Dianne H.B., and Svilokos, A. (2016) 'Validation of a measure of social entrepreneurship' *European Journal of International Management*, 10 (4), 386-402.
- Crocitto, M., Sullivan, S., & Carraher, S. (2005). Global mentoring as a means of career development and knowledge creation: A learning based framework and agenda for future research. *Career Development International*, 10 (6/7), 522-535.

- Deng, F.J., Huang, L.Y., Carraher, S.M., & Duan, J. (2009). International expansion of family firms: An integrative framework using Taiwanese manufacturers. Academy of Entrepreneurship Journal, 15 (1), 25-42.
- Hart, D. & Carraher, S. (1995). The development of an instrument to measure attitudes towards benefits. *Educational and Psychological Measurement*, 55 (3), 498-502.
- Huang, L.Y. & Carraher, S. (2004). How effective are expatriate management and guanxi networks: Evidence from Chinese Industries. *International Journal of Family Business*, 1 (1), 1-23.
- Lester, D., Parnell, J., & Carraher, S. (2003). Organizational life cycle: A five-stage empirical scale. *International Journal of Organizational Analysis*, 11 (4), 339-354.
- Mea, W. & Carraher, SM (2005). Leaders speak: Success and failure in their own words. In R. Sims & S. Quatro (Eds). Leadership: Succeeding in the Private, Public, and Not-for-profit Sectors. Armonk, NY: M.E. Sharpe, Inc. Pp 297-317.
- Paridon, T., Carraher, S., & Carraher, S.C. (2006). The income effect in personal shopping value, consumer selfconfidence, and information sharing (word of mouth communication) research. Academy of Marketing Studies, 10 (2), 107-124.
- Parnell, J. & Carraher, S. (2003). The Management Education by Internet Readiness (MEBIR) scale: Developing a scale to assess one's propensity for Internet-mediated management education. *Journal of Management Education*, 27, 431-446.
- Parnell, J., Carraher, S., & Holt, K. (2002). Participative management's influence on effective strategic diffusion. *Journal of Business Strategies*, 19 (2), 161-180.
- Parnell, J.A., Koseoglu, M.A., Behtas, C., & Carraher, S.M. (2010). Knowledge management, organizational communication and job satisfaction: An empirical test of a five-star hotel in Turkey. *International Journal* of Leisure and Tourism Marketing, 1 (4), 323-343.
- Parnell, J., Mintu-Wimsatt, A., & Carraher, S. (2002). Trust in Internet shopping and its correlates: A cross-cultural investigation. *The E-Business Review*, 2, 195-201.
- Peng, M.W., Ahlstrom, D., Carraher, S.M., & Shi, W. (2017). An institution-based view of global IPR History. Journal of International Business Studies, 48.
- Peng, M.W., Ahlstrom, D., Carraher, S.M., & Shi, W. (2017). History and the Debate over Intellectual Property. *Management and Organization Review*, 13 (1).
- Scarpello, V. & Carraher, S.M. (2008). Are pay satisfaction and pay fairness the same construct? A cross-country examination among the self-employed in Latvia, Germany, the UK, and the USA. *Baltic Journal of Management*, 3 (1), 23-39.
- Sethi, V. & Carraher, S. (1993). Developing measures for assessing the organizational impact of information technology: A comment on Mahmood and Soon's paper. *Decision Sciences*, 24, 867-877.
- Smothers, J., Hayek, M., Bynum, L.A., Novicevic, M.M., Buckley, M.R., & Carraher, S.M. (2010). Alfred D. Chandler, Jr.: Historical impact and historical scope of his works. *Journal of Management History*, 16 (4), 521-526.
- Sturman, M. & Carraher, S. (2007). Using a Random-effects model to test differing conceptualizations of multidimensional constructs. Organizational Research Methods, 10 (1), 108-135.
- Sullivan, S.E., Carraher, S.M., Baker, L., Cochrane, D., & Robinson, F. (2009). The entrepreneurial dilemma: Grow or status quo?: A real case. *Journal of Applied Management & Entrepreneurship*, 14 (4), 37-53.
- Sullivan, S.E., Forret, M., Carraher, S.M., & Mainiero, L. (2009). Using the kaleidoscope career model to examine generational differences in work attitudes. *Career Development International*, 14 (3), 284-302.
- VanAuken, H. & Carraher, S.M. (2012). An analysis of funding decisions for niche agricultural producers. *Journal* of Developmental Entrepreneurship, 17 (2), 12500121-125001215.
- Van Auken, H. & Carraher, S. (2013). Influences on frequency of preparation of financial statements among SMEs. *Journal of Innovation Management*, 1(1), 143-157.
- Welsh, D.H.B. & Carraher, S.M. (2009). An examination of the relationship between the mission of the university, the business school, and the entrepreneurship center: An application of Chandler's strategy and structure hypothesis. *Journal of Applied Management & Entrepreneurship*, 14 (4), 25-36.
- Welsh, D.H. & Carraher, S.M. (2011). Case Studies in Global Entrepreneurship. Kendall Hunt P.
- Williams, M.L., Brower, H.H., Ford, L.R., Williams, L.J., & Carraher, S.M. (2008). A comprehensive model and measure of compensation satisfaction. *Journal of Occupational and Organizational Psychology*, 81 (4), 639-668.
- Yuyuenyongwatana, R. & Carraher, S.M. (2008/2009). Academic journal ranking: Important to strategic management and general management researchers? *Journal of Business Strategies*, 25 (2), 1-8.