

Webpage Information

Professor Mahendhiran Sanggaran NAIR
F CPA (Australia) FASc

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ABOUT ME



Professor Mahendhiran Nair *FCPA (Australia), FASc*

Chief Executive Officer, Monash Malaysia R&D Sdn Bhd & Vice President (Research and Development), Monash University Malaysia

BSc Hons. Mathematics (Brock, Canada), MA Statistics., MA Economics., PhD (York, Canada)

Professor Mahendhiran Nair is the Chief Executive Officer of Monash Malaysia R&D Sdn Bhd and Vice President (Research & Development) at Monash University Malaysia. He is a Fellow of CPA (Australia) and Fellow of Academy of Sciences Malaysia. He is also a Professor of Econometrics & Business Statistics at Monash University Malaysia.

Prior to taking up his current position, he was the Deputy President (Strategy) and Head of School – School of Business at Monash University Malaysia. In his current role as Vice President (Research & Development), he is leading the development of multi-disciplinary research platforms that contribute to the socioeconomic development of Malaysia and regional economies. In his current role as CEO of Monash Malaysia R&D Sdn. Bhd, he has established research collaboration with lead industry associations and industry players to enrich teaching & learning experience of staff and students in the university. The strategic engagement also enhances translational R&D that contributes to nation building.

Professor Mahendhiran's academic training is in the following areas: mathematics, statistics and econometrics. He has many years of experience researching and teaching in Canada and the Asia-Pacific region. He currently leads a research team that uses data science methods to study the impact of Science, Technology and Innovation (STI) on socioeconomic development of emerging economies. He has published his research work in leading international journals and presented in high impact conferences & forums.

Professor Mahendhiran has been a subject matter expert for government agencies, public policy organisations industry associations and 'think-tanks' in Malaysia and the Middle East. Among the key government agencies, he has provided advice include the following: Economic Planning Unit (EPU) – Prime Minister's Office; National Economic Action Council (NEAC) – Prime Minister's Office, the Malaysian Indian Blueprint – Prime Minister's Office, the Ministry of Science Technology & Innovation, Ministry of International Trade & Industry (MITI), Ministry of Education Malaysia and the Asia Pacific Economic Council (APEC) Secretariat.

Professor Mahendhiran is an Advisor for the *Program Titian Digital*, a community-based program that provide 22,000 students from marginalised communities' access to ICT literacy programs. He also contributes to though leadership in the region by providing regular commentaries on the state of socioeconomic development in both local and international media.

Link to a LENS article on Professor Mahendhiran Nair

<https://lens.monash.edu/@mahendhiran-nair/2018/07/19/1355263/twice-around-the-block-for-malaysian-luminary>

Academic Qualifications

PhD in Economics (specialising in Econometrics)

Institution York University, Canada

Year awarded 1996

Master of Arts in Economics

Institution York University, Canada

Year awarded 1991

Master of Arts in Statistics

Institution York University, Canada

Year awarded 1990

Bachelor of Science (Hons) in Mathematics

Institution Brock University, Canada

Year awarded 1989

Membership in Associations and International Bodies

Membership Certified Professional Accountants (Australia)

Role Fellow member

Duration February 2012 - Current

Membership Academy of Sciences Malaysia

Role Fellow member

Duration	May 2018 - Current
Membership	University of Science Technology China
Role	Adjunct Professor
Duration	2011 - Current

RESEARCH AND EDUCATION

Areas of Expertise

1	Data Science
2	Statistical & Econometric Modelling
3	Science, Technology, Innovation & Economic (STIE) Policy Modeling

Research

My current research interests are in two broad areas and they are outlined below.

Research Focus Area 1: Macro-econometric Analysis

I am keen to understand how macro policies pertaining to science, technology, innovation impact socioeconomic development of countries. In this context, I have undertaken extensive work on understanding the key enablers of national innovation ecosystems (NIS) in both developed and developing countries and their impact on economic development in these economies. The study also examined how policies and strategies pertaining to the key pillars of the NIS enable countries to leap-frog to higher stages of competitiveness and attain sustainable socioeconomic development. The research work combines *endogenous economic growth models* with the *innovation ecosystem framework*. The statistical methods I used to study these complex macroeconomic relationships include dynamic panel data methods; co-integration techniques and statistical pattern recognition methods. Some of my research work have been published in leading journals in the field, including *Journal of Post Keynesian Economics*, *Energy*, *Review of Financial Economics* and *Empirical Economics*. Some of the research work has been used to assist government agencies in Malaysia and in other developing countries formulate policies and strategies to strengthen their national innovation ecosystems.

Research Focus Area 2: Micro-econometric Analysis

One of my research interests and focus areas include the study of micro level behavior such as the use of new technology and new financial innovations by firms and marginalized communities to improve the socioeconomic well-being. Some of the key theoretical frameworks used to study these interesting economic include *technology adoption*, *dynamic capability* and *endogenous economic development models*. In most of the work in this area, I use mixed method approaches, which include quantitative approaches (*partial least squares method*, *structural equation models*, *limited dependent models* and *statistical pattern recognition*

techniques) and qualitative approaches (*phenomenological, grounded theory and case studies methods*). I have undertaken extensive research work on examining key factors that impact ICT adoption among marginalized communities, students and firms. My research team are also studying the impact of firm-level characteristics and other external business environmental factors that impact firm level knowledge intensity and competitiveness. Some of my research work have been published in leading journals in the field, including *Studies in Higher Education, Behaviour & Information Technology and Journal of Intellectual Capital*. We are also working closely with government agencies, community organisations and industry associations to assess efficacy of the policies and strategies in enhancing technology adoption and improving competitiveness of diverse community in developing countries.

Teaching

Subject Code	Subject
ETW3410	Econometrics and Applied Statistics

Publications

Scholarly Journal Articles

1. Pradhan, R., Mak, A.B, **Nair, M.**, Bennett, S. and Bahmani, S. (2019), "Short-Term and Long-Term Dynamics of Venture Capital and Economic Growth in a Digital Economy: A Study of European Countries", *Technology in Society*, Elsevier, In Press.
2. Pradhan, R., Mak, A.B, **Nair, M.**, Hall, P. and Bennett, S. (2019), "The information revolution, innovation diffusion and economic growth: an examination of causal links in European countries," *Quality and Quantity*, Springer, In Press.
3. Pradhan, R.P., Mak, A.B., **Nair, M.** and Bennet, S. (2019) Inter-linkages between competition and stabilization policies in the banking sector and stock market development in Europe, *Applied Economics*, Taylor-Francis. In Press.
4. Pradhan, R., Mak, A.B, **Nair, M.**, and Bennett, S. (2019), "Sustainable Economic Growth in the European Union: The Role of ICT, Venture Capital and Innovation, *Review of Financial Economics*, Elsevier. In Press.
5. Pradhan, R., Mak, A.B, **Nair, M.**, Bennett, S. and Hall, J.H. (2018), The Dynamics Between Energy Consumption Patterns, Financial Sector Development and Economic Growth in Financial Action Task Force (FATF) Countries, *Energy*, 159, 42-53, Elsevier.
6. Pradhan, R., Mak, A.B, **Nair, M.**, Bennett, and S., Bahmani, S. (2018), "Endogenous dynamics between innovation, financial markets, venture capital and economic growth: evidence from Europe *Journal of Multinational Financial Management*, Volume 45, June, 15-34, Elsevier.
7. Pradhan, R., Arvin, M.B., **Nair, M.** and. Bennet, S.E. (2017), "Venture capital investment, financial development and economic growth: the case of European single market countries," *Venture Capital*, 19:4, 313-333.

8. Pradhan, R. P., Arvin, M., Hall, J.H. and **Nair, M.** (2017), Trade Openness, Foreign Direct Investment, and Finance-Growth Nexus in Eurozone, *The Journal of International Trade and Economics*, 26(3), 336-360, Taylor-Francis Group.
9. Pradhan, R.P., Arvin, M., **Nair, M.**, Gupta, A. and Hall, J.H. (2017) Is there a link between economic growth, insurance and the banking sector in G-20 countries, *Review of Financial Economics*, 13, C, 12-28, Elsevier Publisher.
10. Pradhan, R.P, Arvin, M., Mittal, J., **Nair, M.**, and Neville, N.R. (2017), "Telecommunication Infrastructure and Usage and the FDI-Growth Nexus: Evidence from Asian-21 Countries". *Information Technology for Development*, 23, 235-260, Routledge-Taylor& Francis Group.
11. Pradhan R.P., Arvin, M., **Nair, M.**, Bennett, S.E., Bahmani, S. (2017), Finance- ICT-Growth Nexus: Empirical Evidence from Next-11 Countries, *Cuadernos de Economía: Spanish Journal of Economics and Finance*, Volume 40, Issue111, 115-134, Elsevier Publisher.
12. Pradhan, R. P., Arvin, M., Hall, J.H. and **Nair, M.** (2016), "Innovation, Financial Development and Economic Growth in Eurozone countries", *Applied Economics Letters*, 23, 1141-1144, Routledge-Taylor& Francis Group.
13. Pradhan, R.P., Arvin, M., Norman, M.R., **Nair, M.** and Hall, J.H. (2016), "Insurance Penetration and Economic Growth Nexus: Cross-Country Evidence from ASEAN", *Research in International Business and Finance*, Volume 36, January, 447-458, Elsevier.
14. Pradhan, R.P, Arvin, M., Neville, Bennett, S., **Nair, M.** and Hall, J. (2016) "Bond Market Development, Economic Growth and Other Macroeconomic Determinants: Panel VAR Evidence"" *Asia Pacific Financial Markets*, Issue 2, Springer Publisher.
15. Vaithilingam, S., **Nair, M.** and Tyagarajan, T. (2015) "Managing money laundering in a digital economy, *Journal of Asia-Pacific Business*, Volume 16, 1, 44-65, Taylor & Francis.
16. Crosling, G., **Nair, M.**, Vaithilingam, S. (2015), Creative learning ecosystem and innovative capacity: a perspective from higher education, *Studies in Higher Education*, Volume 40, No.7, 1147-1163, Taylor & Francis.
17. Liew, E, J.Y, Vaithilingam, S. and **Nair, M.** (2014), "Facebook and socioeconomic value creation in the developing world," *Behaviour & Information Technology*, Volume 33, No.4, 345-360, Taylor & Francis.
18. Vaithilingam, S., **Nair, M.** and Balachander, K.G (2013), "Do trust and security matter for the development of mobile-banking? Evidence from a developing country, *Journal of Asia-Pacific Business*, Volume 14, No. 1, 4-14, Taylor & Francis.
19. **Nair, M.** and Vaithilingam, S. (2013), "Leap-frogging the urban-poor to a high income economy: a case study from a developing country," *Journal of Emerging Economies and Islamic Research*, Volume 1, No. 2, 1-24.
20. Rassiah, P., **Nair, M.** and Narayanan, R. (2010), "Environmental awareness in the Malaysian hotel industry: an exploratory analysis," *Economic Bulletin*, Volume 11, 51-69.
21. **Nair, M.**, Han, G.-S., Lee, H., Goon, P., Muda, R. (2010) "Determinants of the digital-divide in rural communities of a developing country: the case of Malaysia," *Development and Society*,139-162.
22. Vaithilingam, S., Samudram, M. and **Nair, M.** (2010), "Trade liberalization, financial deepening and economic growth in a large developing economy: the case of India," *Economic Bulletin*, Volume 11, 91-114.

23. **Nair, M.**, Han, G.-S., Lee, H., Goon, P. Lee, P.A., Muda, R. (2009), "Affinity of rural society to the information economy: an exploratory analysis from Malaysia", *Economic Bulletin*, Volume 10, December, 101-133.
24. Samudram, M. and **Nair, M.** and Vaithilingam, S. (2009), "Keynes versus Wagner on Government Expenditures and Economic Development," *Empirical Economics*, Volume 36, 697-712, Springer.
25. Chee, Y.L. and **Nair, M.** (2009), "Is free trade beneficial in stimulating economic growth? Empirical evidence from Asia-Oceania region, *Economic Bulletin*, Volume 10, 31-59.
26. Vaithilingam, S. and **Nair, M.** (2009), "Mapping global money laundering trends: lessons from the pace-setters," *Research in International Business and Finance*, Volume 23, 18-30, Elsevier.
27. Chee Y.L., and **Nair, M.** (2008)," Macroeconomic management of key sources of economic growth in the Asia-Oceania region: an empirical examination", *Economic Bulletin*, 9, December, 41-66.
28. **Nair, M.**, Samudram, M. and Vaithilingam, S. (2008), "Malaysian money demand function revisited: the ARDL approach", *Journal of Asia-Pacific Business*, Volume 9, Number 2, 193-209, Taylor & Francis.
29. Zainol, A., **Nair, M.** and Kasipillai, J. (2008), "R&D reporting practice: case of a developing economy," *Journal of Intellectual Capital*, Volume 9, No. 1, 122-132, Emerald-Insight.
30. **Nair, M.** (2007), "The DNA of the new economy," *Economic Bulletin*, 8, December, 27-59.
31. **Nair, M.** and Chandran, V. (2007), "The short-run and long-run dynamics between manufacturing exports, foreign direct investment and manufacturing output for a developing economy: The Malaysian Case," *Asian-African Journal of Economics and Econometrics*, Volume 1, Number 1, 451-458, Serial Publications.
32. Vaithilingam, S. and **Nair, M.** (2007), "The Factors Affecting the Pervasiveness of Money Laundering: Lessons for Emerging Markets," *Journal of Money Laundering and Control*, Volume 10, 352-366, EmeraldInsight.
33. Marimuthu, J. and **Nair, M.** (2007), "Key drivers for employee job satisfaction in conventional and Islamic banks in Malaysia," *Economic Bulletin*, 8, December, 113-134.
34. **Nair, M.**, Vengedasalam, D., Madhavan, K. and Govindaraju, C. (2006), "The rise of China's manufacturing sector: challenges and opportunities for ASEAN-5", *The Philippines Economic Review*, Volume XLIII, June, 167-203.
35. Vaithilingam, S., **Nair, M.** and Samudram, M. (2006), "Key Drivers for the Soundness of Banks: Lessons for Developing Countries", *Journal of Global Business and Technology*, Volume 2, No. 1, Spring, 1-11, Global Business and Technology Association.
36. Khong, K.W. and **Nair, M.**, (2006), The Effects of Customer Service Management on Business Performance in the Malaysian Banking Industry: An Empirical Analysis, *Asia Pacific Journal of Marketing and Logistics*, Volume 18, No.12, 111-128, Emerald-Insight.
37. **Nair, M.**, Davison, R. and Shanmugam, B. (2005), "Modelling the Malaysian Cocoa Supply Response Function: A Robust Cointegration Approach," *Economic Bulletin*, November, 7, 91-105.
38. Salih, A., **Nair, M.** and Agalawi, T. (2005), "The twin deficit problem in Sri Lanka: An Econometric Analysis, *South Asia Economic Journal*, Vol. 6, No. 2, 221-239, Sage Publication.

39. **Nair, M.** and Kuppusamy, M. (2004), "Trends of convergence and divergence in the information economy: lessons for developing countries," *Electronic Journal of Information Systems in Developing Countries*, 18, 2, 1-32.
40. Shanmugam, B., and **Nair, M.** (2004), Mergers and acquisitions in Malaysian banks', *Managerial Finance*, 30, 4, 1-18, Emerald-Insight Publisher.
41. Batchelor, V., Krishnasamy, G., **Nair, M.** and Shanmugam, B. (2004), Productivity of commercial banks in Malaysia (1990-1999), *Jurnal Produktiviti*, 20, 91-100, Malaysia.
42. Shanmugam, B., **Nair, M.** and Ong, W.L. (2003), The endogenous money hypothesis: empirical evidence from Malaysia (1985-2000), *Journal of Post Keynesian Economics*, 25, 399-611, Taylor & Francis Publisher.
43. Shanmugam, B., **Nair, M.** and Suganthi, R. (2003), Money Laundering in Malaysia, *Journal of Money Laundering Control*, Vol. 6, No. 4, 373-378, Emerald-Insight Publisher.
44. Shanmugam, B. and **Nair, M.** (2003), The ethical dimension in corporate governance, *The Journal of the Chartered Secretary Malaysia*, August 4-9,
45. Tang, T.C. and **Nair, M.** (2002), A cointegration analysis of Malaysian import demand function: reassessment from the bounds test, *Applied Economic Letters*, Volume 9, No. 5, April, 293-296, Taylor & Francis Publisher.

Books

46. Sinnakannu, J., **Nair, M.**, Lee, H.Y, (Editors) (2014) "*Islamic business: contemporary issues and economic development*", Lexis-Nexis, Malaysia.
47. Shanmugan, B. and **Nair, M.** (Editors) (2004), *Corporate Governance: An International Perspective*, MICG (Book).

Book Chapters

48. Liew, E.J.Y., Vaithilingam, S and **Nair, M.** (2014), "Social Network Technology and Socioeconomic Behaviour," *ICT Strategic Review 2014/2015*, PIKOM and MOSTI, Malaysia.
49. **Nair, M.** and Vaithilingam, S. (2013), "Broadband diffusion, innovative capacity and sustainable development: lesson for Malaysia," *ICT Strategic Review 2013/2014*, PIKOM and MOSTI, Malaysia.
50. **Nair, M.** and Vaithilingam, S. (2012), "Innovative use of ICT among urban-poor communities: challenges and opportunities," *ICT Strategic Review 2012/2013*, PIKOM and MOSTI, Malaysia, 181-191.
51. **Nair, M.** (2011), "Inclusive innovation and sustainable development: leap-frogging strategies to a high-income economy," *ICT Strategic Review 2011/2012*, PIKOM and MOSTI, Malaysia, Chapter 11, 225-257.
52. **Nair, M.** (2010), "The e-Commerce Ecology: Leapfrogging Strategies for Malaysia," *ICT Strategic Review 2010/2011*, PIKOM and MOSTI, Malaysia, Chapter 12, 193-211.

53. **Nair, M.** And Shariffadeen, T.M.A, (2009), "Managing innovation in the network economy: lessons for countries in the Asia-Pacific region," *Digital Review of Asia Pacific 2009-2010*, 25-42, Sage Publication.
54. **Nair, M.** (2009), "Language proficiency and affinity to the information society: challenges and opportunities for rural society," *ICT Strategic Review 2009/2010: Innovation, the way forward*, PIKOM and MOSTI, Malaysia, Chapter 10, pp.141-160.
55. **Nair, M.**, Davison, R. and Kuppusamy, M. (2008), "Competitiveness of ASEAN-5 in the information economy: an empirical analysis," in Editors Banerjee, I. and Rao, M., *Media and Development in Asia: Regional Perspectives*, Asian Media Information and Communication Centre (AMIC), Singapore.
56. John, K.J., **Nair, M.**, Selvanathan, P. and Kuppusamy, M. (2005), "Using ICT as a catalyst for sustainable development: the role of national policy," in Editors Rahim, R.A., Waldburger, D. and Muinde, G.S. *Access, Empowerment & Governance: Creating a World of Equal Opportunities with ICT*, Global Knowledge Partnership (GKP), Malaysia.
57. Shanmugam, B., and **Nair, M.** (2004), "The question of ethics within corporate governance', in Editors, Shanmugam, B, and Nair, M., *Corporate Governance: An International Perspective*, MICG.
58. Das, M, and **Nair, M.** (2004), "Corporate Governance in the global soccer industry: externalities and prospects", in Editors, Shanmugam, B, and Nair, M., *Corporate Governance: An International Perspective*, MICG.

Conference Papers

59. Nasir, N., **Nair, M.** and Ahmed, P. (2017), Maqasid al-Shariah and the framework for corporate environmental care in Malaysia, *4th International Conference on CSR, Sustainability, Ethics & Governance*, 26-28 July, Perth, Western Australia.
60. Nasir, N., **Nair, M.** and Ahmed, P. (2017), Islamic Economic Thought: A Theological Perspective, *The 12th Asian Academy of Management International Conference*, 6-9 October, Penang, Malaysia.
61. Thuraisingam, J., **Nair, M.** and Vaithilingam, S. (2015), "Behavioral Intention to Use Microfinance: A Developing Country Perspective, *2nd International Symposium on Partial Least Squares Path Modelling*. The Conference for PLS users. June 17th and 18th, Seville Spain.
62. Liew, E., Vaithilingam, S. and **Nair, M.** (2015), "Quality of Regulatory Governance and Affordability on Information Seeking Use and Economic Benefits of Facebook in a Developing Country," *11th International Conference on Technology, Knowledge and Society*, 23-25 February 2015, University of Berkeley, Berkeley, California, USA.
63. Wong, C. C., Vaithilingam, S. and **Nair, M.** (2013), "Attitudes of Different Segments of Consumers towards Mobile Advertising", *International Academy of Management and Business (14th IAMB conference)*, January 21-23, 2013, Texas, USA.
64. **Nair, M.** Vaithilingam, S and Crosling, G. (2012), "Learning Environment for an Innovation-driven Economy", paper presented at the *International Congress on Innovation and Regional Economic Development* at the University of Science and Technology of China on the 2nd and 3rd of December 2012

65. Selvarajah, J., **Nair, M.**, Vaithilingam, S., and Ng, Jason (2012), "Financial Inclusion and Sustainable Development of Marginalised Communities in ASEAN: An Exploratory Analysis", paper presented at the *International Congress on Innovation and Regional Economic Development* at the University of Science and Technology of China on the 2nd and 3rd of December 2012
66. Crosling, G. and **Nair, M.** (2011), "*Developing a creative and innovative learning ecology: lessons for developing countries*", UNESCO-APEID International Conference: Inspiring Education: Creativity and Entrepreneurship, December 2011, Sultan Hotel, Jakarta Indonesia.
67. Crosling, G. and **Nair, M.** (2011), "*A creative and innovative learning ecology: lessons for ASEAN and China*", 1st ASEAN-China Symposium on Regional Integration in Kuala Lumpur, December 2011, Kuala Lumpur, Malaysia.
68. Visvalingam, Singh, M. and **Nair, M.** (2011), "The influence of selected factors on tacit knowledge sharing behavior in organizations: a conceptual framework," *Proceedings of the 10th International Research Conference on Quality, Innovation & Knowledge Management: Aligning Innovation in Developed and Emerging Economies*, February.
69. Wong, C.C., Vaithilingam, S. and **Nair, M.** (2011), "Adoption of mobile advertising: empirical evidence from a Malaysian survey," *2011 International Symposium on Technology and Society*, IEEE, May 23-25, 2011, Chicago, Illinois, USA.
70. **Nair, M.**, Han, Gil-Soo and Goon, P. (2010), "Trailblazers and laggards in internet sophistication among rural society: empirical evidence from Malaysia," *Proceedings of the 4th International Symposium on Information Technology, Sustaining Informatics and Engineering: Harmonizing Human and Natural Ecosystem*, IEEE, 429-438.
71. Vaithilingam, S. and **Nair, M.** (2006), "Key drivers for soundness of the banking sector: Lessons for Developing Countries", 2006 GBATA, Global Business and Technology Association; International Conference, Moscow, Russia, June 27–July 1, 2006.
72. Zainol, A. and **Nair, M.** (2006) "R&D Reporting Practices of Public Listed Companies in Malaysia: A PROBIT Analysis", 2006 GBATA, Global Business and Technology Association; International Conference, Moscow, Russia, June 27–July 1, 2006.
73. **Nair, M.**, Vengedasalam, D., Madhavan, K. and Govindaraju, C. (2005), "Trade dynamics between China and ASEAN-5: an empirical analysis," 30th Federation of ASEAN Economic Association Conference – China and India: Challenges and opportunities for ASEAN, Manila, Philippines, 24-25 November, 2005.
74. **Nair, M.** and Kuppusamy, M. (2005), "Innovation and competitiveness in the information economy: leapfrogging strategies for developing countries", *World Forum on the Information Society*, International Research Foundation for Development, Tunis, Tunisia, 14-16 November, 2005.
75. **Nair, M.**, Kuppusamy, M. and Davison, R. (2005), "A longitudinal study on the global digital divide problem: strategies to close cross-country digital gap" *The Global Management & Information Technology Research Conference*, New York, May 25-28.
76. **Nair, M.**, Madhavan, K, Vengadasalm, D. (2005), "Trade Openness and the Competitiveness of the Malaysian Electronics Sector: An Empirical Analysis", *The 9th International Conference on Global Business and Economics on Management Challenges in Times of Global Change*, Seoul, South Korea, May 25-28.

77. Salman, A.S. and **Nair, M.** (2005), "The twin deficit phenomena in Philippines: an empirical examination", *Singapore Economic Review Conference*, Singapore, September 4-6.
78. **Nair, M.**, Davison, R., and Kuppusamy, M. (2004) , "Competitiveness of 'ASEAN-5' in the information economy: an empirical analysis", *13th Annual Asia Media Information & Communication Centre (AMIC) Conference on ICT Media Inputs & Development Outcomes: Impact of New and Old Media Development in Asia*, July 1-3.
79. **Nair, M.**, Davison, R. and Kuppusamy, M. (2004), "ASEAN and the knowledge economy", 29th Conference of the Federation of ASEAN Economic Associations (FAEA) on ASEAN Economic Cooperation: New Dynamics, and New Paradigms, December 10-11, 2004, Kuala Lumpur, Malaysia. (Conference Key Note Address).
80. **Nair, M.**, Deviga, M. and Madhavan, K. (2004), "Impact of trade openness and the competitiveness of the Malaysian Electronics and Electrical Sector", 19th Malaysian Economics Association Convention, 9 December, Kuala Lumpur, Malaysia.
81. **Nair, M.**, Madhavan, K., and Deviga, M. (2004), "The impact of trade liberalisation on the Malaysian manufacturing industry: a robust econometric analysis", *Asia Pacific Economics and Business Conference*, 7-9 October, 2004, Penang, Malaysia.
82. Mohamad, S., and **Nair, M.** (2004), "The performance of real exchange rates in the South East Asian Economies: evidence from an Unrestricted Error Correction Model, *Malaysian Finance Association Meetings*, 5-6 May, Pulau Langkawi, Malaysia.
83. Shantha, V. and **Nair, M.** (2004), "Private sector financing on economic growth in Malaysia: results from the bounds test," *2004 International Economics & Business Research Conference*, Miami, USA, December 15-18.
84. **Nair, M.** and Kuppusamy, M. (2003), Leapfrogging in the new economy: lessons for developing countries, The 15th Convention of the Malaysian Economics Association on 'The Malaysian Economy at Crossroads: Challenges and Opportunities', July 22-23, Kuala Lumpur, Malaysia.
85. Mohamad, S. and **Nair, M.** (2003), Exchange rate policy in selected ASEAN countries: were currencies deliberately undervalued to promote export performance? The 15th Convention of the Malaysian Economics Association on 'the Malaysian Economy at Crossroads: Challenges and Opportunities', July 22-23, Kuala Lumpur, Malaysia.
86. **Nair, M.**, Davison, R. and Shanmugam, B. (2003), Christian position on Riba, *International Conference on Islamic Banking – From Money Lenders to Bankers*, September 9-11, Prato, Italy.
87. Mohamad, S. and **Nair, M.** (2003), Were the currencies deliberately undervalued? An empirical examination of exchange rate performance in selected ASEAN economies, *International Conference on Asia Pacific Business Environment: Innovative Responses to Regional Events*, January 21-22, 2003, Shah Alam, Malaysia.
88. **Nair, M.**, and Shanmugam, B. (2002), A robust estimation of demand for money in Malaysia: unrestricted error correction model (UECM) approach, *Proceedings of Hawaii International Conference on Business*, June 18-22, Hawaii, and USA.
89. Shanmugam, B. and **Nair, M.** (2002), Rise of Islamic Banking: Problems and Prospects, *Siena 2002 Wolpertinger Banking and Finance Conference*, September 11-14, Siena, Italy.
90. **Nair, M.**, Davison, R. and Shanmugam, B. (2002), Modelling the Malaysian cocoa response supply function: a robust cointegration approach, *Asia Pacific Economics and Business Conference*, October 2-4, @ Kuching, Sarawak, Malaysia.

91. Alias, M., **Nair, M.** and Tang, T.C. (2002), A robust estimation of cointegrating relationship between palm oil and soybean prices: results from the bounds test, *Asia Pacific Economics and Business Conference*, October 2-4, @ Kuching, Sarawak, Malaysia.
92. Mohamad, S. and **Nair, M.** (2002), 'Exchange rates and export competitiveness in Selected ASEAN Economies', *8th International Convention of the East Asian Economic Association*, October 26-29, 2002, Kuala Lumpur, Malaysia.
93. Das, M. and **Nair, M.** (2002), Corporate Governance in the global soccer industry: externalities and prospects, *International Conference on Corporate Governance: Trends and Challenges in the Millennium*, 29-30 October 2002, Kuala Lumpur, Malaysia
94. **Nair, M.** and Smith, B. (2001), Recent developments in statistical cluster analysis, *Proceedings on International Conference on Recent Developments in Statistics and Its Applications*, Institute of Statistics Malaysia under the auspices of the East Asian Pacific Regional Committee (EARPC) of the Bernoulli Society and The Institute of Mathematical Statistics, June, pp. 23-34.
95. **Nair, M.** (2001), Economic modelling with clustered data, *National workshop on 'Capacity Building Towards Excellence in Economic Research and Policy Formulation*, Northern University Malaysia, April.

Research Grants

Research Grants / Research Consultancy

1. 2018-2019, *SMART Manufacturing in the APEC region*, Ministry of International Trade Malaysia (MITI). Jointly with Prof Pervaiz Ahmed, A/Prof Santha Vaithilingam, and Lee, D. Completed.
2. 2018 – *State of REIT Industry in Malaysia*, Sunway 2025 REIT, Prof Pervaiz Ahmed, A/Prof Vaithilingam, Dr. Narayanan, P, Dr. Chan, A,W., Lee, D. and Yang, H.Q, Completed.
3. 2018 – *Business Sentiment 2018-2020: Business Sentiment: A Perspective from Malaysian Executives*, CPA (Australia), Jointly with Prof Pervaiz Ahmed, A/Prof Santha Vaithilingam, Dr. Narayanan, P, Dr. Chan, A,W., Lee, D. and Yang, H.Q . Completed.
4. 2017-2018, *Forecasting Malaysia's GDP*, Rating Agency of Malaysia (RAM) and Tenaga Nasional Berhad. Jointly with Prof Pervaiz Ahmed, A/Prof Santha Vaithilingam, completed.
5. 2016-2018 – *Corporate Islamic Environmentalism: Translating Theology to Practice*, joint with Dr. Norita Nasir and Professor Pervaiz Ahmed, funded by Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education Malaysia, ongoing
6. 2017 – *Affordable Housing in Malaysia*, Real Estate and Housing Developers Association (REHDA), Jointly with Prof Pervaiz Ahmed, A/Prof Santha Vaithilingam, Completed.
7. 2016-2017 – *Skills needs of the Malaysian Plastics Industry*, Malaysian Plastics Association. Jointly with Prof Pervaiz Ahmed, A/Prof Santha Vaithilingam, Dr. Chan A.W, and Yang, H.Q. Completed.
8. 2016-2017 – *Business Sentiment 2016/2017: Business Sentiment: A Perspective from Malaysian Executives*, CPA (Australia), Jointly with Prof Pervaiz Ahmed, A/Prof Santha Vaithilingam, Dr. Narayanan, P, Dr. Chan, A,W., Lee, D. and Yang, H.Q . Completed.

9. 2015-2017 – Malaysian Knowledge Content III Study, Economic Planning Unit, Prime Minister's Department. Jointly with Professor Pervaiz Ahmed, A/Prof Santha Vaithilingam, Dr. Teh Pei Li, Dr. Afkar Hilles, Dr. Au Wee Chan. Completed
10. 2015-2016 – Development of Selangor Industrial Master Plan, Invest Selangor. Jointly with A/Prof Brian Low, Professor Christina Lee and Professor Ahmed, P. Completed
11. 2014 – *Industrial Development In Selangor*, Federation of Malaysian Manufacturers Jointly with A/Prof Brian Low and Professor Christina Lee. Completed.
12. 2014 – *Business Sentiment 2014/2015: A Perspective from Malaysian Executives*, CPA (Australia). Jointly with A/Prof Brian Low and Prof Christina Lee. Completed.
13. 2010-2012 - *National Innovation Ecosystem and Sustainable Development: Leap-frogging Strategies for Marginalized Communities in Malaysia*, funded by Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education Malaysia. Jointly with S. Vaithilingam, Monash University Sunway campus. Completed.
14. 2009-2010 - *Sustainable ICT Development in 'Urban-Poor' Communities: The Malaysian Case*, Project Funded by Monash University Malaysia. Jointly with: S. Vaithilingam (Monash Sunway), Han G-S (Monash Australia), Heejin Lee (Yonsei, South Korea) and Ramachandran (Malaysian Association of ICT). Completed.
15. 2008-2010 - *High Impact Research Project with the Malaysian Government - A Comparative-Static and Dynamic Computable General Equilibrium (CGE) Model of Malaysia*, Project Funded by Ministry of Finance Malaysia. Jointly with S. Vaithilingam (Monash Sunway) and Centre for Policy Studies-Monash Australia. Completed
16. 2007-08 – *Digital Divide in Rural and Agriculture Communities in Malaysia*, obtained E-Science Fund (Competitive Malaysian Government Grant. Jointly with Prof. Gil-Soo Han, Prof Lee Poh Ann and Dr. Patricia Goon. Completed.
17. 2007 – MUM Research Grant, *Uncovering homogenous substructures in a heterogeneous sample: theory and applications*. Completed.
18. 2006-2007 – *Minding the digital gap*, Monash University Malaysia Large Grant. Jointly with Prof. Gil-Soo Han, Prof Lee Poh Ann and Dr. Patricia Goon. Completed
19. 2006 – MUM Research Grant, *Measuring National Innovative Capacity*, R, Completed.
20. 2004- MUM Research Grant, *Financial Leap-frogging: A Cluster Analysis Approach*. Completed.
21. 2003- MUM Research Grant, *Impact of ICT on economic performance in selected developed and developing countries*, Completed.
22. 2002- MUM Research Grant, *Construction of an econometric model for assessing financial deepening in ASEAN economies*, (with B. Shanmugam). Completed.
23. 2002- Monash Research Fund, *ICT Enterprise Centre*. Joint with Professor Ron Davison & team. Completed.

Supervision

Undergraduate (Honours):

1. Lim Seng Hoe, BSc. Honours Thesis, *The application of Data Warehousing and Data Mining Techniques in Malaysia for industrial growth*, completed April 1998.
2. Chui Chin Sun, B.Bus.Com. Honours Thesis, *Modelling Inflation in Malaysia: using the Unrestricted Error Correction Model*. Completed June 2002. [The candidate received a First Class Honours degree and Best Honours Thesis].
3. Stuti, Kumar, B.Bus.Com. Honours Thesis, *An empirical Model to assess the impact of ICT, ICT Literacy on Productivity and Economic Growth: The Case of USA*, 2002. [First Class Honours degree, Best Honours Student and Best Honours Thesis]
4. Gooi, Hsien Hao B.Bus Com Honours Thesis, *Impact of Financial Liberalisation on Malaysian Economy: An Empirical Examination*, 2003.
5. Yen, Li, "Financial Liberalisation, Foreign Direct Investment and Economic Performance in the Asia Pacific Region: A Panel Data Analysis," BBus Com Honours Thesis, Completed November 2007. [First Class Honours Thesis, Best Honours Student and Best Honours Thesis]
6. Ewilly Liew, "Key drivers of social networking services in a developing country: an econometric analysis," BBus Com Honours. Completed 2010. [First Class Honours Thesis, Best Honours Thesis]

Masters:

7. Malathy Balakrishnan, MBA Project, *ICT literacy towards sustainable economic growth: the Malaysian scenario*. Completed May 2001.

Doctor of Philosophy (PhD):

8. Dr. Saadiah Mohammad, *Exchange rate and international competitiveness in Southeast Asian Countries: A Study of Indonesia, Malaysia, Singapore and Thailand*, PhD, Completed in 2003. [Dean's Best Thesis Award].
9. Dr. Wong, Chin Chin, "Enabling ecosystem for mobile advertising in an emerging market ", PhD (Joint Supervision with Dr. Santha Vaithilingam), Completed 2013.
10. Dr. Visvalingam, Suppiah, "An empirical examination of selected factors influencing tacit knowledge sharing behaviour in organisations, PhD (joint supervision with Dr. Manjit Singh and A/Prof Santha Vaithilingam) Completed May 2014.
11. Dr. Sen Pak, "Geography, Business Strategy and Accruals-Based Earnings Management, PhD (joint supervision with Prof Ferdinand Gul) Completed May 2014.
12. Dr. Norita Nasir, "Corporate environmentalism among public listed companies in Malaysia", PhD (Joint Supervision with Professor Pervaiz Ahmed). Completed December 2014.
13. Dr. Ewilly Liew, "Social Networking Technology, Dynamic Capability and Creative Learning" PhD (Joint Supervision with A/Prof Santha Vaithilingam). Completed December 2015.

14. Dr. Jeyanthi, Thuraisingam, “Efficacy of microfinance schemes in enhancing economic wealth of marginalized communities in a developing country: the case of Malaysia”, PhD (Joint Supervision with Dr. Santha Vaithilingam). Completed December 2016
15. Aniza, Zainol, “Micro and macro factors influencing R&D treatment choice: empirical evident from Malaysia”, PhD (Joint Supervision with Professor Jeyapalan Kasipillai), Completed, December 2018.
16. Nazirul Hazim A. Khalim, “Hunting Unicorns in the Magic Forest: Innovation and Dynamic Capabilities of Start-ups, Ongoing.
17. Li-Ann Hwang, “The role of ICT in enhancing the education development of children from marginalised communities,” On-going.
18. Eunice Yeo Huan, “Whole-of-Government Approach: Motivations and Success Factors for inter-Agency Collaboration and its impact on service delivery in Malaysia”, Ongoing.
19. Min Soo Chun, “Min Soo, “Key Drivers for Gross National Happiness: The Perspective from Malaysia”, Ongoing.

Other Achievements

Presentations at High Impact Forums

1. **Keynote Speaker**, Industry 4.0 Ecosystem: Leap-frogging Strategies in a Hyper-Converged Global Economy, Academy of Sciences Malaysia’s Fellows Public Lecture, 29 November, 2018, Kuala Lumpur, Malaysia
2. **Keynote Speaker**, State of Knowledge Context of the Malaysian Textile and Apparel Industry – results from the MyKE-III Study, *Malaysian Textile and Apparel Forum on Automation*, organized by MATAC, 28 November, 2018, Monash University Malaysia.
3. **Panel Discussant**, Budget 2019 Commentary, REHDA Institute, 13 November, 2018, Kuala Lumpur, Malaysia.
4. **Panel Discussant**, Future-Proofing Workforce: Shifting Mindset and Skillset, Launching Ceremony of the National Policy on Industry 4.0, MITI, 31 October, 2018, Kuala Lumpur, Malaysia
5. **Plenary Speaker**, Ecosystem to Foster Strong Networks and Linkages to Power an Innovation-Driven Economy: The Role of Universities, Innoscape 2018: Conference and Exhibition on Business, Applied Science & Technology, 25-26 October, 2018, Jakarta, Indonesia.
6. **Keynote Presentation**, APEC Baseline Study, Seminar on Understanding the Impact of Manufacturing in Policy and Regulatory Approaches, 25-26 September, 2018, Penang, Malaysia.
7. **Panel Discussant**, Blockchain Redefines the Global Economy, CPA (Australia) Congress, 6 September, 2018, Kuala Lumpur, Malaysia.
8. **Keynote Speaker**, “Industry 4.0: Leap-frogging to the New Economy – Key Challenges and Way Forward, Seminar organized by the Balai Ikhtisas Malaysia (Malaysian Professional Centre), 24 July, 2018, Kuala Lumpur, Malaysia.

9. **Panel Discussant**, on Learning Technologies, Employability and Future Work, Australian Innovation Summit, Philippines, 7 June 2018.
10. **Keynote Speaker**, “National Innovation Ecosystem to Power Sustainable Economic Development: The Role of Universities at *The Future of Sustainable Economic Growth Forum* at Finance Accreditation Agency, Bank Negara, 12 April, 2018, Kuala Lumpur, Malaysia.
11. **Panel Discussant**, on Sunway Smart Sustainable City, *United Nations World Urban Forum*, 7-13 February, 2018.
12. **Keynote Speaker**, “Knowledge Content in Key Economic Sectors in Malaysia at the *4th Industrial Revolution: A Malaysian Perspective*, Academy of Sciences Malaysia, 5 December, 2017, Kuala Lumpur, Malaysia
13. **Keynote Speaker**, “Empowering Digital Economy: Its impact on Socioeconomic Development,” *International Conference on E-Commerce*, organized by UUM, 18-19 September, 2017, Putrajaya, Malaysia.
14. **Panel Discussant**, “Sustainable University Research Ecosystem: Networks and Translational Research”, *Forum on Research Funding and Powering the Innovation Engine Forum*, Kuala Lumpur, Malaysia, 23 August, 2017, MIDA and University Nottingham Malaysia.
15. **Keynote Speaker**, “Malaysian 2017 Economic Outlook,” KL and Selangor Indian Chamber of Commerce and Industry Forum, 15 March, 2017, Kuala Lumpur, Malaysia.
16. **Keynote Speaker**, “Outlook of the Malaysian Economy: Moving Towards an Innovation Economy – key challenges and opportunities,” Federation of Malaysian Manufacturers Board Meeting, November, 2015.
17. **Keynote Speaker**, “Innovation Ecosystem and Sustainable Development: Leap-frogging for OIC Countries,” *Expert Group Meeting Innovation for Economic Development in IDB Member Countries*, 18-19 February, 2013, Jeddah, Kingdom of Saudi Arabia.
18. **Keynote Speaker**, “Powering an Innovation Driven Economy”, ICT Satellite Account Workshop: Accelerating Towards a Digital Economy, Ministry of Finance, 6 June 2012.
19. **Keynote Presenter**, “Innovation Ecologies and Islamic Societies: Key Challenges and Opportunities,” King Saud University, 16 April, 2012.
20. **Keynote Presenter**, “Multiple Innovation Ecologies and Sustainable Development: Opportunities and Challenges for Developing Countries”, *Kuala Lumpur Innovation Forum*, 2010, 3-4 November, 2010.
21. **Keynote Presenter**, “Moving the Nation’s Innovation Initiative: Comparison between Malaysia and Korea”, Innovation Festival (Inno-Fest 2010), *Malaysian Productivity Corporation*, 19 June 2010, Kuala Lumpur.
22. **Keynote Presentation**, Perdana Leadership Forum Foundation & New Club of Paris Round Table on *Bridging the Knowledge Divide – Building Malaysian Link*, which will be moderated by the Former Prime Minister of Malaysia, Tun Mahathir Mohamad. Title of my presentation: ‘What is the nature of the economy of intangibles and why is it important for Malaysia to make the leap to this economy?’ 15 June 2010.
23. **Keynote Speaker** on “Information, Innovation and Islamic Societies: Key Challenges and Opportunities, Inaugural World Islamic Economic Forum - UiTM Global Discourse Series on

Global Economic and Business Scenario: Muslim Countries as the New Emerging Economies, Kuala Lumpur, 25 November, 2009.

24. **Keynote Speaker**, “Innovation for Value Creation in the Knowledge Economy: The Malaysian Case-study”, *Blue Ocean Strategy Seminar: Value Innovation in the Knowledge Economy*, University College Sedaya International (UCSI), 30 March 2009.
25. **Keynote Speaker** on “Benchmarking OIC Member Countries in the Knowledge Economy based on the 7I Framework,” *Knowledge Economy Seminar in conjunction of Islamic Development Bank’s Board of Governor’s meeting*, 2-3 June 2008, Jeddah, Kingdom of Saudi Arabia.
26. **Keynote Speaker** on “National Innovation Ecosystem (NIE) and what it can do for the Kingdom of Saudi Arabia,” Forum on “*What is an Innovation Eco-system, and why the Kingdom of Saudi Arabia need one?*” 23-25 February 2008, Riyadh, Saudi Arabia.
27. **Keynote Speaker** on “Sustainable Socioeconomic Development in the Knowledge Economy: Challenges and Opportunities for OIC,” *The 2nd International Symposium on Knowledge Cities: Future of Cities in the Knowledge Economy*, 16-19 July 2007, Shah Alam, Malaysia.
28. **Keynote Speaker** on “Sustainable Socioeconomic Development in the New Economy: Challenges and Opportunities, at the *Kingdom of Saudi Arabia Knowledge Society Forum*, Organised by the Islamic Development Bank and the Al Aghar Group, (Jeddah, December 2006; February 2007, Jubail; and, March 2007, Riyadh), Saudi Arabia.
29. **Keynote Speaker** on “Competitiveness in the New Economy: Leap-frogging Strategies for Developing Countries,” at *1st National Business and Economic Seminar: Enhancing Competitiveness in the Era of Global Economic Environment*, Kuching, Malaysia, 28-29 November, 2006.
30. **Keynote Speaker**, “Measuring National Innovation – Taking Malaysia to a New Trajectory of Innovation”, *Innovation Leadership Forum – Innovation for National Competitiveness*, IBM and MIGHT, 20 September, 2005, Kuala Lumpur, Malaysia.
31. **Keynote Speaker** on “Competitiveness of ASEAN and the new economy”, at the *29th Conference of the Federation of ASEAN Economic Associations (FAEA) on ASEAN Economic Cooperation: New Dynamics, and New Paradigms*, December 10-11, 2004, Kuala Lumpur, Malaysia.
32. **Keynote Speaker**, “New Directions for the Economy: Knowledge Competitiveness”, *Public forum on The Economy at a crossroads: the 2005 Budget and its implications for Malaysian*, The Institute of Malaysian & International Studies (IKMAS), National University Malaysia, 5 October, 2004.
33. **Keynote Speaker**, “Malaysia and K-Economy”, *Conference on Human Resource Development Towards K-Economy*, organised by Ministry of Human Resource Malaysia, SMI Association Malaysia, November, 2000.

Thought Leadership in the Asia Pacific Region

I have given expert advice and opinions to the various local and international media on socioeconomic development issues that impact Malaysia and regional economies. The forums I have shared my expert views are given below:

1. "Becoming A High Income Nation", BFM, 9 September, 2013.
2. "Malaysian budget 2014 – Paving the way for the 11th Malaysia Plan," StarBiz TV, 13 October, 2014.
3. "Cheap oil hurts Malaysia's oil exporting economy," CCTV-America, 11 December, 2014
4. "Malaysian businesses still confident of prospects despite deteriorating outlook," StarBiz TV, 18 December, 2014.
5. "Postif Sentimen Menjelang 2015," ASTRO AWANI, 18 December, 2014.
6. "Innovation will get a big shot in the arm from 11th Malaysia Plan policies," StarBiz TV, 30 December, 2014.
7. "Southeast Asia Countries Meet at the Summit in Malaysia," CCTV-America, 24 April, 2015.
8. "Malaysia's Development Plan Will Help Bottom 40%", Bloomberg, May 21, 2015.
9. "How Does Budget 2017 Affect You and Me", BFM, 26 October, 2016.
10. "Capital Markets Episode 13: The Trump Effect on Globalisation, Economy," 26 January, 2017, <https://www.youtube.com/watch?v=7HEhFsROSww>
11. "The Nation: Malaysian Business Sentiment for 2017", 14 June, 2017, https://www.youtube.com/watch?v=qb_0zs_2DUk
12. Strategies to be adopted for the Selangor Industrial Master Plan," Selangor International Business Summit 2017, Sept. 13, 2017, KiniTV <https://www.youtube.com/watch?v=AlpOrzr3K9g>
13. "Outlook for Selangor as the gateway to the ASEAN market", Selangor International Business Summit 2017, Sept. 11, 2017, KiniTV <https://www.youtube.com/watch?v=cuSON4jSHsA>
14. "Malaysia-India Economic Partnership set for new heights, The Star, 28 January 2018.
15. A critical role in development, The Star, 20 March, 2018.
16. "China-US Trade Tensions: Malaysian electronics sector deeply integrated with China," CGTN, 6 April, 2018, https://news.cgtn.com/news/31636a4d7a454464776c6d636a4e6e62684a4856/share_p.html
17. Meet the Malaysia Minister of Finance – Designated, The Edge Singapore, 18 May 2018, <https://www.theedgesingapore.com/meet-malaysias-finance-minister-designate>
18. Malaysia and Singapore to reset relations? The Edge Singapore, 21 May, 2018.
19. Business Sentiment Briefing to the local media and press, 28 August, 2018.

- News Straits Times:* <https://www.nst.com.my/business/2018/08/405829/positive-business-sentiment-players-locally>;
- Malaysian Business:* <https://www.malaysian-business.com/index.php/joomla/item/2184-monash-university-malaysia-s-business-sentiment-survey-2018-2019-captures-the-opinions-and-sentiments-of-malaysia-s-ceos-and-senior-managers>;
- Borneo Post:* <http://www.theborneopost.com/2018/08/29/758384/>;
- The Star:* <https://www.pressreader.com/malaysia/the-star-malaysia-star2/20180911/281711205541793>
20. Malaysian's economy to expand first quarter 2019, New Sabah Times, 29 August, 2018.
 21. Malaysian businesses remain positive despite looming trade war – survey, New Sarawak Tribune, 30 August, 2018.
 22. Ekonomi Malaysia berkembang 5.2 peratus pada suku pertama 2019, Utusan Borneo (Sabah), 30 August, 2018.
 23. The Cost of Trade War, CA Australia, ICAS, 2018, <http://caaaustralia.icas.com/august-september2018/>
 24. Preparing for Industry 4.0, The Star, 4 September, 2018. <https://www.pressreader.com/malaysia/the-star-malaysia-star2/20180904/281960313630084>
 25. How Trade Wars Change Business, InTheBlack, CPA Publisher, 1 November, 2018, <https://www.intheblack.com/articles/2018/11/01/how-trade-wars-change-business>
 26. What Does China's Mega Infrastructure Scheme Mean for Australia and New Zealand? , Institute of Public Works Engineering Australasia, 12 November, 2018., <https://www.ipwea.org/blogs/intouch/2018/11/12/what-does-chinas-mega-infrastructure-scheme-mean>
 27. Twice Around the Block for Malaysian Luminary, Monash LENS, <https://lens.monash.edu/@mahendhiran-nair/2018/07/19/1355263/twice-around-the-block-for-malaysian-luminary>
 28. Generation of Entrepreneurs – Different Lens, <https://lens.monash.edu/@a-different-lens/2018/09/06/1359202/generation-entrepreneur-a-different-lens>
 29. Preparing for Industry 4.0, The Star, 4 August, 2018.
 30. How Universities Should Prepare for Industry 4.0, Borneo Press, 16 September, 2018.
 31. US Trade War: Malaysian Biz Remains Positive, Sun, 25 September, 2018.
 32. Reinventing Universities – Agents of Change, 31 October, 2018 <https://www.youtube.com/watch?v=lxMSoo-PERo>

33. The Future of Work – Snapshot- A Different Lens, <https://lens.monash.edu/@a-different-lens/2018/10/31/1363406/future-of-work>
34. How Universities Prepare for Industry 4.0, Borneo Press, 18 November, 2018.
35. How Universities Should Prepare for Industry 4.0, SJEcho, 13 December, 2018.
36. Budget 2019: Emphasis on Fiscal Responsibility, Malaysia SME, November 10 – November 23, 2018, 2-3.
37. Branching Out Globally, Postgraduate Supplement, *The Star*, page 13, December 18, 2018.
38. Malaysian Businesses in Good Position to Adopt IR4.0, Malaysian SME, 8 December, 2018.

Other Research Duties

I have contributed to academic journals in the following capacity:

- International Advisory Board, *Journal of Emerging Economies and Islamic Research*
- Editor, *Economic Bulletin*
- Paper Reviewer, *Malaysian Journal of Economics Studies*.
- Paper Reviewer, *ASEAN Economic Bulletin*
- Paper Reviewer, *International Journal of Institutions and Economics*

I have been an External Examiner for MPhil, PhD and DBA theses from several universities in Malaysia, India and Australia.

Workshops and Training Programs for the Community

1. Sunway REIT Strategic Workshop, with Board of Directors of Sunway REIT and Sunway Group of Companies, 29 June to 1 July, 2018.
2. GDP Forecasting Workshop for research analysts from Tenaga Nasional Berhad and Ratings Agency Malaysia, July, 2018.
3. Power of Statistics for Decision Makers: Patterns, Prediction and Prescriptive Analytics, 5 & 6 April, 2018 (in partnership with the Professors Advisory Group-Monash University Malaysia)
4. Knowledge Economy Workshop senior officers from the various government agencies, industry associations and government linked companies, March, 2017.
5. Knowledge Economy Workshop Officers from Economic Planning Unit – Prime Ministers, Department, November, 2016.
6. Big Data and the Power of Statistics for Decision Makers: Patterns, Predictions and Prescriptive Analytics, Academy Sciences Malaysia, 25-27 November, 2014, Kuala Lumpur, Malaysia.

7. Workshop for Directors of Corporate Boards – Developing Innovation Ecosystems, MINDA, June 2011, Ho Chi Minh, Vietnam.
8. Workshop for Directors of Corporate Boards – Developing Innovation Ecosystems, October 2011, MINDA, Bandung, Indonesia.
9. Econometrics and Data Modelling Workshop, Monash University Malaysia, 2010, Kuala Lumpur.

Membership and Subject Matter Expert

1. **Moderator**, 44th International Federation of Asian and Western Pacific Contractors' Association (IFAWPCA) Convention: Building & Construction Conference, 14 November, 2018, Kuala Lumpur, Malaysia.
2. **Panel Discussant**, Research Data Day: A Seminar sponsored by the Library & Learning Commons – Theme of the Seminar: Improving research and data interactions at institutional, national and regional intersections: an exploration, Malaysia, 9 October, 2018.
3. **Panel Assessor**, Top Research Scientists Malaysia (TRSM) Award, Academy of Sciences Malaysia, June, 2018.
4. **Panel Assessor**, Newton-Ungku-Omar Fund (NUOF)UK, Research Grant Assessor, Academy of Sciences Malaysia, June 2018.
5. **Alternate Chairman** of the Social Sciences and Humanities Discipline Group, Academy of Sciences Malaysia, August, 2018-Present.
6. **Panel Member**, External Stakeholders Committee, Malaysian Indian Economic Blueprint, Prime Minister's Office, May 2017 – May 2018.
7. **Panel Member**, Technical Committee, Secretariat for the Development of the Malaysian Indian Economic Blueprint, Prime Minister's Office, 2016-2017.
8. **Steering Committee Member**, Special Secretariat for the Empowerment of Indian Entrepreneurs (SEED), Prime Minister's Office, 2013 to 2016.
9. **Panel Expert** Assessment for Malaysian Competition Commission Grant Scheme, 2016-2017.
10. **Advisor and Steering Committee Member**, Program Titian Digital, A Community Initiative by Hindu Youth Organisation and Malaysian Community & Education Foundation, 2011-Present.
11. **Advisor**, Klang Indian Chamber of Commerce, 2013-Present.
12. **Subject Matter Expert**, Increasing Broadband Penetration and Quality for National Transformation Based on STI, Academy of Sciences Malaysia, 2013, http://asmic.akademisains.gov.my/download/monograph/POSITION%20PAPER_BROADBAND.pdf.
13. **Expert Panel Member**, National Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education, Malaysia, February 2012.

14. **Panel Member**, Unit on the Formulation of the National Innovation Policy, UNIK-Prime Minister's Office, Malaysia, November 2010 to June 2011.
15. **Member**, National Economic Action Committee (NEAC-Prime Minister's Department) Working Group on SRI-6 Knowledge Infrastructure – Malaysia's New Economic Model, May 2010 – December 2010.
16. **Technical Committee Member**, 2010 Information Technology Symposium, jointly organized by University Kebangsaan Malaysia and University Petronas Malaysia, Kuala Lumpur, 15-17 June 2010.
17. **Moderator**, 2010 Professional Examinations of the Chartered Tax Institute of Malaysia for the Economics and Business Statistics.
18. **Subject Matter Expert**, Strategic Plan to develop Saudi Arabia's National Innovation Ecosystem - King Abdul Aziz City of Science & Technology (KACST), Kingdom of Saudi Arabia, 2007-2009.
19. **Subject Matter Expert**, Strategic Plan to develop Kingdom of Saudi Arabia's Knowledge Society, Al Aghar Group, 2007-2008.
20. **Subject Matter Expert**, Development of GDP and electricity demand forecasting model using the Auto-Regressive Distributive Lagged (ARDL) model for Tenaga Nasional Berhad (TNB) and Ratings Agency Malaysia, 2006-2007.
21. **Subject Matter Expert**, Development of Public and Private Investment function econometric forecasting model using the Auto-Regressive Distributive Lagged (ARDL) model for Ministry of Finance Malaysia and Ratings Agency Malaysia, 2007-2008.
22. **Subject Matter Expert**, Malaysia's ICT Strategic Road Map, Ministry of Science, Technology & Innovation (MOSTI), July 2006 - December 2007.
23. **Subject Matter Expert**, ICT Development in Asia-Pacific region and in Malaysia for the Malaysian Institute of Microelectronic Systems (MIMOS), 2005-2006.
24. **Member**, Knowledge Management Advisory Panel (KMAP) -- National Information Technology Council & Malaysian Institute of Microelectronic Systems (MIMOS), January 2003 – December 2005.
25. **Panel Member**, National Accreditation Board (LAN), Ministry of Education Malaysia, 2001-2003.
26. **EXCO Member**, Malaysian Economic Association, since April 2003-April 2008.
27. **Member**, Board of Examiners, Malaysian Institute of Taxation, 2002.

AWARDS

1. 2018, Fellow of Academy of Sciences Malaysia.
2. 2015, Rotary Club (Klang Central), The Service Above Self Award in recognition of contribution to the Business Community in the district of Klang, Malaysia.
3. *2010 Pro-Vice Chancellor Award for Excellence in Research*
4. *2009 Pro-Vice Chancellor Award for Excellence in Teaching*
5. *2008 Pro-Vice Chancellor Award for Excellence in Administration*
6. *2007 Pro-Vice Chancellor Recognition for Good Practice in Teaching*
7. *1996-97 Best PhD Thesis Award, York University, Canada*
8. *1993-94 Sloan Prize for the Overall Best PhD Candidate, York University, Canada.*