

CONTACT ADDRESS & PERSONAL INFORMATION

Nanyang Business School, Nanyang Technological University, SINGAPORE 639798.
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Age: 58 years (17-June 1962); Married, 2 children. Nationality: Singapore.

EDUCATION

Ph.D. (Operations Research), 1988-1992, Case Western Reserve University, U.S.A.
M.B.A, 1984-1986 (Gold Medallist), Indian Institute of Management, Calcutta.
B.Tech (Mechanical Engineering), 1979-1984, Indian Institute of Technology, Madras.

CURRENT POSITIONS

2008 – Present, Professor of Operations Management, Nanyang Technological University, Singapore.
2016 – Present, Director, Centre for Business Sustainability, Nanyang Business School, NTU.
2015 – 2021, Fellow, Renaissance Engineering Programme, NTU.

EMPLOYMENT HISTORY

2014 - 2019, Associate Dean (Research), Nanyang Business School, NTU.
2008 - 2014, Head, Division of IT & OM, Nanyang Technological University, Singapore.
2011 – 2015, Program Director, Management Development Program @ NBS.
2009 – 2013, Acting Interim Dean, Nanyang Business School on an adhoc basis, when Dean was travelling.
2016 – 2018, Cluster Director, Energy Research Institute @ NTU (ERI@N), NTU.
2001 – 2005, Director, PhD Programme in Business, Nanyang Business School.
2001 – 2009, Associate Director & earlier Programme Director, MBA Programme.
1999 – 2007, Associate Professor with Tenure, Nanyang Technological University, Singapore.
1992 – 1998, Lecturer, Nanyang Technological University, Singapore.
1997 – 1998, Visiting Professor, Cox School of Business, Southern Methodist University, Dallas, TX.
1986 - 1988, Operations Auditor, Tube Investments of India Ltd., Madras, India.

RESEARCH INTERESTS AND EXPERTISE

Inventory Management, Joint Replenishment Inventory Systems, Corporate Sustainability, Policies for Carbon Control, Transportation and Urban Mobility, Sustainable Operations, Supply Chain Management, Remanufacturing & Reverse Logistics, Manufacturing Systems, Forecasting.

TEACHING INTERESTS

Corporate Sustainability, Operations & Supply Chain Management, Inventory Theory, and Optimization in UG, MBA, PhD & Executive programs. Average teaching score of 4.55 on a 5 point scale.

PUBLICATIONS

Over 100 papers in journals, book chapters & conferences such as *Management Science*, *Operations Research*, *Production and Operations Management*, *Journal of Operations Management*, *Naval Research Logistics*, *IIE Transactions*, *Operations Research Letters*, *International Journal of Production Research*, *European Journal of Operational Research*, *Journal of the Operational Research Society*, *International Journal of Production Economics*. Selected publications listed below.

- K. R. Preethi, and S. Viswanathan (2020) "Carbon Pricing Strategies for Multi-Unit Firms," *POMS Annual Conference*, Minneapolis, Minnesota, USA, April 2020.
- K. Verma, and S. Viswanathan (2019), "Moral Character and Stewardship: Explaining the Role of Enlightened Self-Interest," Academy of Management (AOM) Specialized Conference, Bled, Slovenia, October 2019.
- K. Z. Zhou, C. Su, A. Yeung, S. Viswanathan (2016), Supply Chain Management in Emerging Markets," Special Issue Editorial, *Journal of Operations Management*, 46, September 2016, 1-4.
- S. Ghosh, R. Piplani, and S. Viswanathan (2015) "A new two-bin policy for inventory systems with differentiated demand classes," *Production and Operations Management*, 24, 840-850.
- N. Bryan, M. M. Srinivasan, and S. Viswanathan (2016), "Managing Supply Systems with Partial Information on Shipment Locations," *International Journal of Production Research*, 54, 2771-2779.
- M. M. Srinivasan and S. Viswanathan, (2013), "Evaluating South East Asian Supply Chains on an EPIC framework", Chapter 5 in *Global Supply Chains: Evaluating Regions on an EPIC framework*, McGraw-Hill, New York, 2013
- M. M. Srinivasan and S. Viswanathan (2010), "Optimal WIP Inventory Levels for High-Variety Low-Volume Manufacturing Systems," *IIE Transactions*, 42, 379-391
- S. Viswanathan, (2007), "An Algorithm for determining the best lower bound for the Stochastic Joint Replenishment Problem," *Operations Research*, 55, 992-996.
- H. Widiarta, S. Viswanathan, and R. Piplani, (2007), "On the Effectiveness of Top-Down Approach for Forecasting Autoregressive Demands," *Naval Research Logistics*, 176-188.
- S. Viswanathan and K. Mathur, (1997) "Integrating Routing & Inventory", *Management Science*, 294-312.
- S. Viswanathan (1997) "Periodic Review (s, S) Policies for Joint Replenishment Inventory Systems", *Management Science*, 43, 1447-1454.

RESEARCH GRANTS

Over \$3.5 Million funding as PI or co-PI from NRF, A*Star, NRF and MOE/NTU:

- End-to-End Supply Chain Design for Additive Manufacturing, \$520,000, NRF Grant thro' HP-NTU Corp Lab, 2020.
- Carbon Reduction Strategies for Top Chemical Companies, \$200,000, NRF CREATE Program – C4T Emerging Opportunities Fund Grant, 2020.
- Carbon Reduction in Chemical Technologies-Phase 2, \$35 Million (across 17 PIs), NRF Grant under CREATE program for 5 years. My share of grant for “Better Business Models” is \$305,168 for first two years, 2018.
- Locating Stewardship, Governance and Sustainability, \$57,780, Stewardship Asia Centre, 2018.
- Achieving “Car-Lite Singapore”: Understanding Motorist Behaviour and Developing Interventions, \$679,782, [Co-PI], National Research Foundation (NRF) Grant, 2017.
- Carbon Control Policies for Climate Change Mitigation, \$81,115, AcRF Tier 1 Grant, 2016.
- Optimization Models for Capacity & Service Enhancements in Rail Systems, \$84,834, AcRF Tier 1 Grant, 2014.
- Inventory control for after-market service networks, \$10,000, Nanyang Research Excellence Award, 2012.
- Impact of Carbon Control on Operations & Supply Chain, \$250,000, New Initiative Fund, 2011.
- Decision Models for Optimal Positioning and Use of Information and Communication Technologies (ICT) in the Supply Chain, \$60,000, AcRF Tier 1 Grant, 2010.
- Optimization of Service Networks for Reverse Logistics, \$632,406, [Co-PI], AStar, Strategic Research Theme Grant, 2006.

SERVICE TO PROFESSION

- Editorial Review Board, *Production and Operations Management*, 2002 –
- Co-Editor, *Journal of Operations Management*, Special Issue on “Supply Chain Management in Emerging Markets”, 2014/15.
- Senior Editor, *Decision Sciences*, 2014 – 2017.
- Member of the Advisory Board, Singapore University of Technology & Design (SUTD), Engineering Systems & Design Pillar.
- Member of the Advisory Board, EcoLabs Centre of Innovation for Energy @NTU, 2019-2022.
- Member of the Board, International Sustainable Campus Network (NTU rep), 2019 – 2020.
- Member of the review panel, SERC Programme in Logistics and Supply Chain Management, Agency for Science, Technology & Research (A*STAR), Singapore, 2012, 2014.
- Editorial board, *International Journal of Production Research*, 2009 – 2019.
- Member Associate Editor, *IEEE Transactions on Automation Science and Engineering*, 2005–2008.
- Special Issues Editor (from 2008) & Associate Editor, *Asia Pacific Journal of Operational Research*, 2005–2012
- Editorial Board, *International Journal of Services & Operations Management*, 2004 –
- Editorial Board, *International Journal of Integrated Supply Chain Management*, 2009 –
- Member, Executive Committee, International Society for Inventory Research. 2002–2006.
- External Reviewer, Tenure & Promotion Case for several business schools such as State University of New York, Melbourne Business School, IIM Bangalore, SMU, CityU of HK, PolyU of HK, HK Baptist University.
- External Assessor, Research Grants Council (RGC) of Hong Kong, 2002, 2003, 2012, 2013, 2015.
- Reviewer for over 27 academic journals such as *Management Science*, *Operations Research*, *MSOM*, *DS*, *IJPR*, *EJOR*, *IIE* & *IEEE Transactions* & *Research Councils* such as RGC Hong Kong, Israel Science Foundation and NRF.
- External Expert for Operations Faculty Recruitment, IIM Calcutta, IIM Trichy, IIM Udaipur, 2012 - 2019.
- Member, Singapore Business Sustainability Awards Finalists Panel, 2014, 2015.

CONSULTING & EXECUTIVE EDUCATION EXPERIENCE

Alstom (2018, 2019), Lagos Business School (2014, 2015, 2016), Workforce Development Authority (2015), Esade (2014), INSEAD (2012), Spring Singapore (2010-2014), Essilor International (2007-2015), RGE (2007-2012, 2020), National Panasonic (2007-2008), Singapore Petroleum Company (2008), RGM International (2007), NTUC Fairprice (2004-2005), TNT Logistics Asia (2003), Matsushita Electric (2002), Ministry of Foreign Affairs (2002), Chartered Institute of Transport (2000-2009), SIA Engineering Company (1999), IBM/CIT (1997), Rothmans International, (1996), Singapore Intl Chamber of Commerce (1995), Cleveland Clinic (1990).

AWARDS AND HONOURS

- Long Service Medal, Singapore National Day Honours, 2018.
- Award for Outstanding Senior Editor of *Decision Sciences* Journal, 2014.
- Nanyang Award for Research Excellence, 2010. (University-wide research excellence award given to only one or two researchers across the whole university each year).
- Who's who in the world, 1997, 2012, 2013, 2014, 2015, 2016, 2017, 2018; Who's who in Science and Engineering, 2001, 2003; Who's who in finance & industry, 2001, 2002; Who's who is Asia, 2006, 2011.
- Teacher of the Division, 2003. Nominee for Teacher of the Division, 2002, 2004, 2005, 2006. Nominee for Teacher of the School, 2003.
- Winner of several prizes including the Chairman's Prize, John Wyne Prize, Calcutta Management Association Prize and Dr. B.C. Roy Gold Medal at IIM Calcutta. Included in the Institutes Honour Roll.
- Gold Medallist and First Rank Holder for MBA at IIM Calcutta.