
Alice SHIU
Associate Professor
School of Accounting & Finance
PolyU Faculty of Business

Academic Background

Ph.D. University of New South Wales, Australia, Economics, 2000
B.E. (Hons) University of New South Wales, Australia, Economics, 1997

Working Experience

Associate Professor, The Hong Kong Polytechnic University (August, 2017 – present)
Assistant Professor, The Hong Kong Polytechnic University (September, 2005 – July, 2017)
Lecturer, The Hong Kong Polytechnic University (February, 2000 - August, 2005)
Lecturer and Tutor, University of New South Wales (September, 1996 - December, 1999)

Research and Teaching Interests

Energy Economics, Innovative Methods in Economics and Econometrics Teaching

Research

Refereed Articles

- 1) WOO, C.K., CAO, K.H., CHENG, Y.S., SHIU, A., LI, R. (2018). An Econometric Analysis of Monthly Peak-Hour and Total Usage Patterns of Hong Kong's Cross-Harbor Tunnels, *Transportation Research Record (TRR)*, 1-11.
- 2) WOO, C.K., LIU, Y., ZARNIKAU, J., SHIU, A., LUO, X., & KAHRL, F. (2018). Price Elasticities of Retail Energy Demands in the United States: New Evidence from a Panel of Monthly Data for 2001-2016. *Applied Energy*, 222, 460-474.

- 3) WOO, C.K., SHIU, A., LIU, Y., LUO, X., & ZARNIKAU, J. (2018). Consumption Effects of an Electricity Decarbonization Policy: Hong Kong. *Energy*, 144, 887-902.
- 4) WOO, C.K., LIU, Y., LUO, X., SHIU, A., & ZARNIKAU, J. (2017). Consumption Effects of Electricity Decarbonization: Evidence from California and the Pacific Northwest. *The Electricity Journal*, 30(1), 44-49.
- 5) WOO, C.K., ZARNIKAU, J., SHIU, A., & LI, R. (2017). Winter Residential Optional Dynamic Pricing: British Columbia, Canada. *Energy Journal*, 38(5), 99-111.
- 6) SHIU, A., & WOO, C.K. (2017). Game-based Learning of Microeconomics by Undergraduate Engineering Students: Evidence from Hong Kong. *Asian Journal of Educational Research*, 5(1), 21-41.
- 7) WOO, C.K., ZARNIKAU, J., LI, R., & SHIU, A. (2016). KWh Effects of Residential Optional Dynamic Pricing: Winter Evidence from British Columbia, Canada. *Electricity Journal*, 29(9), 44-47.
- 8) SHIU, A., LI, R., & WOO, C.K. (2016). Economic Growth and Infrastructure Investments in Energy and Transportation: A Causality Interpretation of China's Western Development Strategy. *Energy Journal*, 37 (China Special Issue), 211-222.
- 9) WOO, C.K., CHENG, Y.S., LI, R., SHIU, A., HO, T., & HOROWITZ, I. (2015). Can Hong Kong Price-manage Its Cross-harbor-tunnel Congestion? *Transportation Research Part A: Policy and Practice*, 82, 94-109.
- 10) WU, H.X., SHEA, Y.P., & SHIU, A. (2015). Has China's Fast Industrial Growth Been Efficient? An Industry-level Investigation with a Newly Constructed Data Set. *Applied Economics*, 47 (40), 4275-4298.
- 11) WOO, C.K., HO, T., SHIU, A., CHENG, Y.S., HOROWITZ, I., & WANG, J. (2014). Residential Outage Cost Estimation: Hong Kong. *Energy Policy*, 72, 204-210.
- 12) WOO, C.K., ZARNIKAU, J., HOROWITZ, I., & SHIU, A. (2014). Transparency of Retail Energy Pricing: Evidence from the U.S. Natural Gas Industry. *Managerial and Decision Economics*, 35 (4), 300-308.

- 13) WOO, C.K., SHIU, A., CHENG, Y., LI, R., HO, T., HOROWITZ, I., & WANG, J. (2014). Residential Willingness-to-Pay for Reducing Coal-Fired Generation's Emissions in Hong Kong. *The Electricity Journal*, 27 (3), 50-66.
- 14) WOO, C.K., LI, R., SHIU, A., & HOROWITZ, I. (2013). Residential Winter kWh Responsiveness under Optional Time-varying Pricing in British Columbia. *Applied Energy*, 108, 288-297.
- 15) LI, R. & SHIU, A. (2012). Internet Diffusion in China: A Dynamic Panel Data Analysis. *Telecommunications Policy*, 36 (10-11), 872-887.
- 16) LAM, P.L. & SHIU, A. (2010). Economic Growth, Telecommunications Development and Productivity Growth of the Telecommunications Sector: Evidence Around the World. *Telecommunications Policy*, 34 (4), 185-199.
- 17) FOX, K., KOHLI, U., & SHIU, A. (2010). Trade Agreements and Trade Opportunities: A Flexible Approach for Modeling Australian Export and Import Elasticities. *Review of International Economics*, 18 (3), 513-530.
- 18) SHIU, A. & LAM, P.L. (2008). Causal Relationship between Telecommunications and Economic Growth in China and its Regions. *Regional Studies*, 42 (5), 705-718.
- 19) LAM, P.L. & SHIU, A. (2008). Productivity Analysis of the Telecommunications Sector in China. *Telecommunications Policy*, 32 (8), 559-571.
- 20) SHIU, A. & LAM, P.L. (2004). Electricity Consumption and Economic Growth in China. *Energy Policy*, 32 (1), 47-54.
- 21) LAM, P.L. & SHIU, A. (2004). Efficiency and Productivity of China's Thermal Power Generation. *Review of Industrial Organization*, 24 (1), 73-93.
- 22) SHIU, A. (2003). Multilateral Comparisons of Productivity, Terms-of-Trade and Factor Accumulation. *Review of Income and Wealth*, 49 (1), 35-52.
- 23) SHIU, A. (2002). Efficiency of Chinese Enterprises. *Journal of Productivity Analysis*, 18 (3), 255-267.
- 24) LAM, P.L. & SHIU, A. (2001). A Data Envelopment Analysis of the Efficiency of China's Thermal Power Generation. *Utilities Policy*, 10 (2), 75-83.

Book Chapters

- 1) LAM, P.L. & SHIU, A. (2011). Reform of China's Energy and Telecommunications Sectors. *International Handbook of Network Industries - The Liberalization of Infrastructure*. Edward Elgar.
- 2) SHIU, A. & ZELENYUK, V. (2011). Production Efficiency versus Ownership: The Case of China. *Exploring Research Frontiers in Contemporary Statistics and Econometrics: A Festschrift in Honor of Leopold Simar*. Springer.
- 3) SHIU, A. (2002). GDP Growth in Post-Reform China. *Productivity and Economic Performance in the Asia-Pacific Region*. Edward Elgar.

Research Grants

2018: SHIU, A. A New Process to Fairly Score Individual Contributions to a Team Project (HK\$381,000), Co-Supervisor.

2018: SHIU, A. Development and Implementation of a New Process to Fairly Score Individual Contributions to a Team Presentation in a Microeconomics Course (HK\$ 45,000), Principal Investigator, School of Accounting and Finance, Hong Kong Polytechnic University.

2016: SHIU, A. Price Elasticities of Electricity and Gas Demands by End-use Customer Classes in Hong Kong, GRF project (HK\$254,000), Co-Investigator.

2016: SHIU, A. Teaching Grant for Recipient of Faculty Teaching Award 2014/2015 (HK\$100,000), Principal Investigator, Faculty of Business, Hong Kong Polytechnic University.

2016: SHIU, A. From Learning to Impactful Learning in Work Integrated Education (WIE) Placements Department of Management and Marketing (HK\$25,000), Co-Investigator.

2015: SHIU, A. Price Responsiveness of Electricity and Natural Gas Demands by Customer Class in the US (HK\$378,000), Co-Investigator.

2015: SHIU, A. Construction of Powtoons to Enhance Students' Learning and Understanding of Microeconomics (HK\$24,510), Principal Investigator, School of Accounting and Finance, Hong Kong Polytechnic University.

2015: SHIU, A. Overseas Scholarship Scheme (Teaching Development) Implementation Fund (HK\$95,629), Principal Investigator, Hong Kong Polytechnic University.

2014: SHIU, A. Overseas Scholarship Scheme (Teaching Development) (HK\$84,505.8), Principal Investigator, Hong Kong Polytechnic University.

2013: SHIU, A. What do Hong Kong Consumers Want from Their Electric Utilities? Co-Investigator, School of Business, Hong Kong Baptist University (HK\$145,000) and School of Accounting and Finance, Hong Kong Polytechnic University (HK\$50,000).

2013: SHIU, A. Residential Winter kWh Responsiveness under Optional Time-varying Pricing in British Columbia (HK\$13,000), Principal Investigator, School of Accounting and Finance, Hong Kong Polytechnic University.

2012: SHIU, A. & SHEA, Y.P., How Efficient is China's Fast Growth? An Industry-level Investigation with a Newly Constructed Data Set (HK\$13,000), Principal Investigator, School of Accounting and Finance, Hong Kong Polytechnic University.

2009: SHIU, A. & LAM, P.L., Energy Development and GDP Growth of China and its Regions (HK\$30,000), Principal Investigator, School of Accounting and Finance, Hong Kong Polytechnic University.

2009: SHIU, A. Examination of Inconsistency in China's Energy and GDP Statistics (HK\$30,000), Co-Investigator, School of Accounting and Finance, Hong Kong Polytechnic University.

2006-2008: SHIU, A. & LAM, P.L., Productivity and Development of Telecommunications in China (B-Q906) (HK\$315,000), Co-Investigator, CERG project (funded by RGC).

2005-2006: SHIU, A. Construction of Teaching Portfolio for AF2602 Global Economic Environment (1-487U) (\$56,460), Principal Investigator, Learning and Teaching Grant Project.

2003-2005: SHIU, A. The Estimation of Import-Export Elasticities: Case Studies for Hong Kong and Australia (4-ZZ91) (HK\$79,945), Principal Investigator, Departmental research grant project (funded by Earnings Account).

2003-2005: LAM, P.L. & SHIU, A., Hong Kong's Power Market Beyond 2008 (B-Q505) (HK\$338,300), Principal Investigator, CERG project (funded by RGC).

Service to the University

Department Assignments

Member:

2017-2019: Departmental Staffing Committee

2017-2018: School Management Committee

2014-2015 – 2018-2019: Member of Teaching Council

2013-2014 – 2018-2019: Departmental Learning and Teaching Committee

2014-2015 – 2015-2016: Departmental Research Committee

2005-2006: Departmental Management Committee

2003-2004: Departmental Research Committee

Other Institutional Service Activities:

2017-2018: Member of Sub-committee on Languages and Communication (LCR) Subjects

2017-2018: Member of review panel of Overseas Scholarship Scheme (Teaching Development)

2017-2018: Member of selection panel for Teaching Development Grant (TDG) 2016-19 (Smaller-scale Projects)

2017 onwards: Member of Working Group on Innovative Learning Spaces

2017 onwards: Member of Working Group on Subject Quality Assurance

2017-2018: Coach and interviewer for UG graduate representatives for 23rd Congregation in 2017

2017-2018: Member of the Selection Panel for Teaching Development Grant (TDG) 2016-19 (Smaller-scale Projects)

2015-2016 – 2017-2018: Master of Ceremony for 21st, 22nd and 23rd Congregation for School of Accounting and Finance

2015-2016: Supervisor to MBA Investigative Report (MM5931)

2014-2018: Academic Advisor

2013-2014: Academic conference coordinator

2013-2014: Co-Chair for Mini-Conference on Economics of Environment

2005-2006: Subject area coordinator

Service to the Profession**External Examiner**

2014 – 2018: Chu Hai College

Reviewer - Grant Proposal Related to Expertise

2014 – 2016: Research Grants Council (RGC), HKSAR, Research Fund Applications

Member: Committee/Task Force

2005: Reviewer for conference abstracts. Program committee member of International Telecommunications Society 16th Biennial Conference June 12-16, 2006 (Dec. 2005)

Other Professional Service Activities

2000 – 2018: Energy Journal, Asia Pacific Journal of Economics and Business, Energy Economics, Energy Policy, Journal of Productivity Analysis, The Information Society, Telecommunications Policy, The International Journal, Applied Economics, The Energy Journal, Regional Studies and Review of Income and Wealth

2002 – 2003: Newspaper column writer, writing four newspaper articles in Hong Kong Economic Journal

Faculty Development

Professional Seminars / Workshops

2016: International Teachers Program (ITP), Shanghai and Beijing, China

Honors-Awards-Grants

Awards

2016: Nominee of the General Faculty Member Award for excellent performance in teaching, Faculty of Business, Hong Kong Polytechnic University.

2015: Faculty Award for Outstanding Performance/Achievement (Teaching), Faculty of Business, Hong Kong Polytechnic University.

2000: Nancy Ruggles Travel Grant Prize, The Nancy Ruggles Memorial Fund. 2000 Nancy Ruggles Travel Grant \$2,500 USD to attend the International Association for Research in Income and Wealth, 26th General Conference held in Cracow, Poland from August 27 to September 2, 2000.