

CURRICULUM VITAE

K. K. Gary Wong

January 2022

PERSONAL INFORMATION:

CITIZENSHIP: Australian since 2002

ADDRESS:

Department of Economics, FSS,
The University of Macau, Taipa,
Macau SAR, China

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PHONE: (853)-8822-8956 (Office)
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DATE OF BIRTH: 5th September, 1972

SEX: Male

ACADEMIC QUALIFICATION:

Monash University

Ph.D in Econometrics & Business Statistics, May 2000

National University of Singapore

Master of Social Science in Economics, October 1996

York University (Canada)

Bachelor of Arts (Honours) in Economics, July 1993

AREAS OF TEACHING (AND LEVELS):

1. Principles of Economics (undergraduate)
2. Introductory Mathematical Economics (undergraduate)
3. Introductory Statistics (undergraduate)
4. Labour Economics (undergraduate)
5. Financial Microeconomics (undergraduate)
6. Microeconomics (graduate & undergraduate)
7. Econometrics (undergraduate)
8. Time Series and Forecasting (undergraduate)
9. Applied Econometrics (graduate & undergraduate)
10. Advanced Microeconomics (undergraduate)
11. Industrial Economics (graduate & undergraduate)

PHD DISSERTATION:

THESIS TITLE: The Application of Profit Functions to Two Problems in Applied Demand Analysis: Modelling GNP Functions and Consumer Demand Models

SUPERVISOR: Professor Keith McLaren

COMPLETION: May, 2000

MAJOR AWARDS:

1990 York University Merit Award

1992 York University In-Course Scholarship

1993 Member of Dean 's Honour Roll

1995 SINPEC Book Prize from National University of Singapore

1996 Monash Graduate Scholarship from Monash University

1996 Overseas Postgraduate Research Scholarship from Monash University

2000 The Online Line Teaching Compassionate Pioneer Award from Queensland University of Technology.

2011 UM Academic Staff Award from The University of Macau.

FELLOWSHIPS and GRANTS:

2000 Faculty of Business New and Promoted Staff Research Grant (QUT)

2011 Multi-Year Research Grant (U of Macau)

2018 Multi-Year Research Grant (U of Macau)

AREAS OF SPECIALISATION:

Applied Econometrics

Applied Demand Analysis

Applied Trade Models

Intertemporal Allocation Models

Productivity Analysis

CURRENT RESEARCH PROJECTS:

1. Induced Innovation and Productivity Analysis in China.
2. Intertemporal Demand for Durable Goods in US.
3. Intertemporal Demand for Food in US.
4. Durable Goods and Consumer Behavior with Liquidity Constraints: Evidence from Norway.

SEMINARS AND CONFERENCES:

1. Profit Function Specifications for Consumer Demand Systems, The Econometric Society Australasian Meeting, The University of Melbourne, Melbourne, Australia, July 2nd, 1997.
2. A New Approach to Modelling GNP Functions: An Application of Non-Separable Two-Stage Technologies, The Econometric Society Australasian Meeting, Australian National University, Canberra, Australia, July 8th, 1998.
3. Specification and Analysis of Well-Behaved GNP Functions with Non-Homothetic and Non-Separable Two-Stage Technologies, Departmental Seminar Series, Department of Econometrics and Business Statistics, Monash University, Melbourne, March 5th, 1999.
4. The Profit Function in Consumer Behaviour with Applications to Modelling Regular Demand Functions, and Testing of the Time Separability Hypothesis, Econometric Society Australasian Meeting, University of Technology, Sydney, Australia, July 7th, 1999.
5. Specification and Analysis of Well-Behaved GNP Functions with Non-Homothetic and Non-Separable Two-Stage Technologies, Economics, Finance, and International Competitiveness (EFIC) Seminar Series, School of Economics and Finance, Queensland University of Technology, Brisbane, Australia, August 4th, 1999.
6. The Profit Function in Consumer Behaviour with Applications to Modelling Regular Demand Functions, and Testing of the Time Separability Hypothesis, 28th Annual Conference of Economists, La Trobe University, Melbourne, Australia, September 28th, 1999.
7. A Reconsideration of the Testing of Time Separability Hypothesis, The 29th Annual Conference of Economists, Gold Coast International Hotel, Queensland, Australia, July 6th, 2000.
8. A Reconsideration of the Testing of Time Separability Hypothesis, School Seminar Series, School of Economics and Finance, The University of Western Sydney at Nepean, Sydney, October 27th, 2000.
9. Inverse Demand Systems for Composite Liquid Assets, School Seminar Series, School of Economics, Griffith University at Nathan, Brisbane, August 6th, 2001.

10. Inverse Demand Systems for Composite Liquid Assets, The 2001 Far Eastern Meeting of the Econometric Society, International Conference Center Kobe, Kobe, Japan, July 20th, 2001.
11. Modelling Regular and Estimable Inverse Demand System: A Distance Function Approach, Departmental Seminar Series, Department of Econometrics and Business Statistics, Monash University, Melbourne, May 17th, 2002.
12. Modelling Regular and Estimable Inverse Demand System: A Distance Function Approach, The 36th Annual Meetings of the Canadian Economics Association, June 1st, 2002.
13. Modelling Regular and Estimable Inverse Demand System: A Distance Function Approach, Departmental Seminar Series, Department of International Economics, Catholic University of Daegu, Daegu (S. Korea), Dec 4th, 2003.
14. Specification and Estimation of Inverse Demand Systems: A Distance Function Approach, Departmental Seminar Series, Department of Economics, Hanyang University, Seoul, (S. Korea), May 12th, 2004.
15. The Use of Conditional Cost Function to Generate Estimable Mixed Demand Systems, Departmental Seminar Series, Department of Economics, Hong Kong Baptist University, Dec 5th, 2005.
16. Effective Global Regularity and Empirical Modeling of Direct, Inverse and Mixed Demand Systems, 2007 Far Eastern Meeting of the Econometric Society, July 11th, 2007.
17. The Benefit Function Approach to Modeling Price-Dependent Demand Systems: An Application of Duality Theory, 2009 Far Eastern Meeting of the Econometric Society, August 5th, 2009.
18. Empirical Demand Systems Incorporating Intertemporal Consumption Dynamics, 2010 International Symposium on Econometric Theory and Applications, April 30th, 2010.
19. Trade Distance Functions and the Derivation of Inverse Demand for Imports, 2011 Singapore Economic Review Conferences, August 6th, 2011.
20. An Empirical Investigation of the Trade Benefit Function, 2012 International Symposium on Econometric Theory and Applications, May 20th, 2012.
21. Consumer Demand, Consumption and Asset Pricing: An Integrated Analysis, 2014, Asian Meetings of the Econometric Society, June 22nd, 2014.
22. Public Goods in the Intertemporal Mixed Demand System: An Application of the Intertemporal Two-Stage Budgeting Process, 2015 International Congress on Banking, Economics, Finance and Business, August 6th, 2015.
23. Consumption Dynamics in Inverse Demand Systems: An Application to Meat and Fish Demand in Korea, 2016 Taipei International Conference on Growth, Trade and Dynamics, June 25th, 2016.

24. Private Consumption and Asset Pricing in the Presence of Durable Goods: An Application of the Intertemporal Two-Stage Budgeting Process, 2017 International Symposium on Economics and Social Science, August 23rd, 2017.
25. Incorporating the Impacts of Distribution of Households across Income Groups in an Inverse Demand System: Evidence from Chinese Household Survey Data, the 2018 International Congress on Banking, Economics, Finance, and Business – Summer session, August 18th, 2018.

PUBLICATIONS:

Refereed Journals

1. Cooper, McLaren, and Wong, “On the Empirical Exploitation of Consumers' Profit Functions in Static Analyses (2001),” *Economics Letters* Vol 72 181-187.
2. Towards a More General Approach to Testing the Time Additivity Hypothesis (2003), *Applied Economics* Vol 35 (16), 1729-1738.
3. A New Approach to Modelling GNP Functions: An Application of Two-Stage technologies and Modifying Function Approach (2004), *Australian Economic Papers* Vol 43 315-339.
4. Wong and McLaren (2005), “Specification and Estimation of Inverse Demand Systems: A Distance Function Approach”, *American Journal of Agricultural Economics*, Vol 87 823-834.
5. Wong and Park (2007), “The Use of Conditional Cost Function to Generate Estimable Mixed Demand Systems”, *American Journal of Agricultural Economics*, Vol 89 273-286.
6. McLaren & Wong (2009), “Effective Global Regularity and Empirical Modeling of Direct, Inverse and Mixed Demand Systems”, *Canadian Journal of Economics*, Vol 42 749-770.
7. McLaren & Wong (2009), “The Benefit Function Approach to Modeling Marshallian and Hicksian Inverse Demand Systems: An Application of Duality Theory”, *American Journal of Agricultural Economics*, Vol 94 1110-1123.
8. An empirical investigation of the trade benefit function (2013), *Economics Letters*, Vol 119, 150-153.
9. Trade distance functions and the derivation of inverse demand for imports (2013), *Applied Economics*, Vol 45 (29), 4160-4168.
10. Kim, McLaren & Wong (2013), “Empirical Demand Systems Incorporating Intertemporal Consumption Dynamics”, *Empirical Economics*, Vol 45 349-370.

11. Wong & Park (2018), "Consumption Dynamics in Inverse Demand Systems: An Application to Meat and Fish Demand in Korea", *Agricultural Economics*, Vol 49 777–786.
12. Wong, Dang & Zhu (2019), "Effects of Income Distribution in an Inverse Demand System: Evidence from Chinese Household Survey Data". *Applied Economics*, Vol 51 5328–5344.
13. Kim, McLaren & Wong (2020), "Valuation of Public Goods: An Intertemporal Mixed Demand Approach", *Empirical Economics*, Vol 59, 2223 - 2253.
14. Kim, McLaren & Wong (2021), "Consumer Demand, Consumption and Asset Pricing: An Integrated Analysis with Integrated Two-Stage Budgeting", *Macroeconomic Dynamics* Vol 25, 379–425.
15. Wong, Wong, Fleisher, McGuire & Zhao (2021), "Technical Progress and Induced Innovation in China: A Variable Profit Function Approach", Forthcoming in *Journal of Productivity Analysis*.

Paper under Review

1. Kim & Wong (2021) "User Cost, Demands for Durable and Nondurable Goods, and Intertemporal Substitution in Consumption" submitted to *European Economic Review*.
2. Kim & Wong (2022) "Food Demand and Intertemporal Allocation of Food Consumption: An Integrated Analysis with Intertemporal Two-Stage Budgeting submitted to *European Review of Agricultural Economics*.

REFEREE EXPERIENCE

Agricultural Economics, American Journal of Agricultural Economics, Empirical Economics, Environmental Economics and Policy Studies, and European Review of Agricultural Economics.

PROFESSIONAL LEADERSHIP:

Professional Member, Economic Society of Australia (QLD) (Jan 2000 to present)
 Professional Member, Econometric Society (1997 to present).
 Member of Editorial Board, Contemporary Economics.

EMPLOYMENT:

12/94 - 1/96

Dr. Yu Qiao
Department of Economics & Statistics
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511.

Research Assistant (Part-Time employment - 13 months)

Responsibilities included:

- Maintenance and manipulation of several Chinese micro data sets;
- Doing literature survey, and collecting statistical information which was relevant to the research topics;
- Involving in doing statistical analysis of research projects;
- Interpreting empirical results as well as providing comments and feedback for policy applications.

7/1997 – 12/1999

**Department of Econometrics & Business Statistics,
Monash University
Assistant lecturer (Part-time employment)**

Responsibilities include:

- Conducting tutorials;
- Assisting in the organization and co-ordination of lectures;
- Marking and assessing students' assignments and examination papers;
- Involving in the general administration of the subject.

1/2000 – 2002/1

**School of Economics & Finance
GP Campus
Queensland University of Technology
Lecturer Level B (Equivalent to Assistant Professor in North American Universities,
Salary: Aus\$ 50000 - \$55000)**

Responsibilities include:

- Preparing and delivering lectures and seminars;
- Conducting tutorials and workshops;
- Conducting research;
- Engaging in appropriate professional activities;
- Marking students' assignments and examination papers;
- Developing teaching materials;
- Performing administrative functions mainly associated with teaching and research;
- Supervising post graduate and honours students.

Service Profile at QUT:

- Member of School Teaching & Learning Committee (Feb 2000 to Dec 2001).

- Member of School Research & Development Committee (Feb 2000 to Dec 2001).
- Website coordinator of EFB211 (intermediate microeconomic theory), EFB325 (financial microeconomics) and EFN502 (honours/master level microeconomics).
- School On-Line Teaching Coordinator (March 00 to Dec 2001).
- School representative on the Faculty of Business School On-Line Teaching Coordinators Group (March 00 to Dec 2001).

2/2002 – 7/2003

School of Economics

Geelong Campus

Deakin University

**Lecturer Level B (Equivalent to Assistant Professor in North American Universities,
Salary: Aus\$ 50000 - \$55000)**

Responsibilities include:

- Preparing and delivering lectures and seminars;
- Conducting tutorials and workshops;
- Conducting research;
- Engaging in appropriate professional activities;
- Marking students' assignments and examination papers;
- Developing teaching materials;
- Performing administrative functions mainly associated with teaching and research;
- Supervising post graduate and honours students.

9/2003 – 08/2005

Department of Economics

Konkuk University

Seoul Campus, Korea

Visiting Assistant Professor (Salary: US\$ 50000 - \$55000)

Responsibilities include:

- Preparing and delivering lectures and seminars;
- Conducting research;
- Marking students' assignments and examination papers;
- Developing teaching materials.

9/2005 – 3/2009

Department of Economics, FSH

The University of Macau

Macau SAR, China

Assistant Professor (MOP\$ 500000-600000)

Responsibilities include:

- Preparing and delivering lectures and seminars;
- Conducting research;
- Engaging in appropriate professional activities;
- Marking students' assignments and examination papers;
- Developing teaching materials;
- Performing administrative functions mainly associated with teaching and research; and
- Supervising post graduate students.

3/2009 – Present (MOP\$1000000)

**Department of Economics, FSS
The University of Macau
Macau SAR, China
Associate Professor**

Responsibilities include:

- Preparing and delivering lectures and seminars;
- Conducting research;
- Engaging in appropriate professional activities;
- Marking students' assignments and examination papers;
- Developing teaching materials;
- Performing administrative functions mainly associated with teaching and research; and
- Supervising post graduate students.

Service Profile at U of Macau:

1. Member of Faculty of Social Science and Humanity Staff Recruitment Committee.
2. School representative on Faculty of Science & Technology Promotion Panel.
3. Member of Undergraduate Recruitment Committee.
4. Member of Graduate Recruitment Committee.
5. Member of Thesis Examination Committee.
6. Unit Coordinator of Undergraduate Programme (2013 February – August)
7. Unit Coordinator of Graduate Programme (2019 July – Present)

DISSERTATION SUPERVISION (COMPLETED)

1. **Kylie Smith** (Honours, QUT), “Money and Its Substitutes: A Demand Systems Approach for a Period of Financial Change in Australia,” (2002), Principal Supervisor.
2. **Da Li** (Master, U of Macau), “Import-Price Uncertainty, Production Decisions, and Relative Factor Shares in Korea”, (2007), Principal Supervisor.

3. **Sio Lai Tang** (Master, U of Macau), “Asymmetric Price Responses and Residential Energy Demand in Japan”, (2008), Principal Supervisor.
4. **Anabela Nogueira Espirito Santo**, (Master, U of Macau), “Frisch Demands and the Intertemporal Allocation of Expenditure”, (2010), Principal Supervisor.
5. **Jiixin Li**, (Master, U of Macau), “Welfare Analysis and Estimation of Inverse and Mixed Demand Systems”, (2010), Principal Supervisor.
6. **Sut Ngo Lam**, (Master, U of Macau), “Import Demands, Term of Trade Effects and Total Factor Productivity in Australia”, (2012), Principal Supervisor.
7. **Dongdong Mao**, (Master, U of Macau), “Modeling Static and Intertemporal Import Demands: The Indirect Production Function Approach”, (2012), Principal Supervisor.
8. **Long Gao**, (Master, U of Macau), “An Empirical Comparison of Intertemporal Demand Functional Forms”, (2013), Principal Supervisor.
9. **Tian Liang**, (Master, U of Macau), “Conditional and Unconditional Elasticities of Japan Food Demand: An Application of Two-Stage Budgeting Demand System“, (2014), Principal Supervisor.
10. **Bing Yao Zhang** (Master, U of Macau), “Inverse Demand Models for Japanese Demand for Fish“, (2015), Principal Supervisor.
11. **Fei Zhao** (Master, U of Macau), “Modeling the Intertemporal Demand for Monetary Assets: An Application to Australia”, (2016), Principal Supervisor.
12. **Xue Du** (Master, U of Macau), “Household Demand for Fish: Models and Evidence in Japan”, (2018), Principal Supervisor.
13. **Hannie Huang** (Master, U of Macau), “Testing the Price-Induced Innovation Hypothesis in China: The Variable Cost Function Approach”, (2020), Principal Supervisor.

COMPUTER PROFICIENCY:

Proficient in Microsoft Word, Excel, Eviews, SHAZAM, TSP, Gauss (programming language), and Powerpoint.

COMMUNICATION SKILL:

English - Written and Spoken (Fluent)

Chinese (Could speak Cantonese and Mandarin) - Written and Spoken (Fluent)

Indonesian - Spoken

ACADEMIC REFEREES:

Professor H Youn Kim
 Department of Economics
 Western Kentucky University

Bowling Green, KY 42101, U.S.A.
Telephone: 1-270-745-3187
Email: youn.kim@wku.edu

Professor Keith McLaren
Department of Econometrics & Business Statistics
Monash University
Clayton, VIC 3800, Australia
Telephone: 613-9905-2395
Email: keith.mclaren@buseco.monash.edu.au

Professor C Y Sin
Department of Economics
National Tsing Hua University
Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.
Telephone: 886-3-516-2134
Email: cysin@mx.nthu.edu.tw