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#### Personal

Born: October 18 1960, Malaysia; U.S. naturalized citizen

Married: 1999, Chorching Goh

Children: son Yimfoong (aged 22); daughters Wengfay (19) and Wengyin (17)

#### Education

Ph.D. Economics, Harvard University, 1989

A.B. Mathematics, Northwestern University, 1983

# **Research and Teaching Interests**

Public and Environmental Economics Economic Growth and Technical Change

### **Work Experience**

2012-present. Research Associate, China Project on Energy, Economy and Environment, School of Engineering and Applied Science, Harvard University.

1993-2022. Senior Economist, Dale Jorgenson Associates.

2011-2012. Ethiopia Development Research Institute (EDRI), Addis Ababa

1999-2010,2015-present. Visiting Scholar, Resources for the Future.

1992-2005. Fellow, Program on Technology and Economic Policy,

Kennedy School of Government, Harvard University.

1989-92. Assistant Professor, Economics, SUNY at Buffalo.

# **Papers in Journals**

Li, Jianglong, Jinfeng Gao and Mun S Ho. 2024 "Causal effect of aviation on air pollution: An instrumental variable from faraway Covid-19 restrictions in China," *China Economic Review*, 84. <a href="https://doi.org/10.1016/j.chieco.2024.102140">https://doi.org/10.1016/j.chieco.2024.102140</a>

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Chen, Faan, Yaxin Li, Qianqian Feng, Zehao Dong, Yiming Qian, Yi Yan, Mun Ho, Qianchen Ma, Dashan Zhang and Yuanzhe Jin. 2023. "Road safety performance rating through PSI-PRIDIT: A planning tool for designing policies and identifying best practices for EAS countries," *Socio-Economic Planning Sciences*, 85, February. https://doi.org/10.1016/j.seps.2022.101438.

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Jianglong Li, Mun Ho, Chunping Xie and Nicholas Stern. 2022. "China's flexibility challenge in achieving carbon neutrality by 2060," *Renewable and Sustainable Energy Review*, 158, April. <a href="https://doi.org/10.1016/j.rser.2022.112112">https://doi.org/10.1016/j.rser.2022.112112</a>

Jianglong Li and Mun Ho. 2022. "Indirect cost of renewable energy: Insights from dispatching," *Energy Economics*, 105, January. <a href="https://doi.org/10.1016/j.eneco.2021.105778">https://doi.org/10.1016/j.eneco.2021.105778</a>

Jaume Freire-Gonzalez and Mun Ho. 2021. "Voluntary Actions in Households and Climate Change Mitigation," *Journal of Cleaner Production*, 321, October. <a href="https://doi.org/10.1016/j.jclepro.2021.128930">https://doi.org/10.1016/j.jclepro.2021.128930</a>

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Doris Geide-Stevenson and Mun Ho. 2004. "International Labor Migration and Social Security: Analysis of the Transition Path" *Journal of Population Economics*, 17(3):535-551.

Mun Ho, Richard Morgenstern, Jhih-shyang Shih, Xuehua Zhang. 2004. "The Near-Term Impacts of Carbon Mitigation Policies on Manufacturing Industries" *Energy Policy*, 32:1825-1841. (Earlier version Resources for the Future Disc. Paper 02-06)

Dale Jorgenson, Mun Ho and Kevin Stiroh. 2003. "Growth of U.S. Industries and Investments in Information Technology and Higher Education," *Economic Systems Research*, 15(3): 279-325, September.

Dale Jorgenson, Mun Ho and Kevin Stiroh. 2003. "Lessons for Europe from the U.S. Growth Resurgence," *CESifo Economic Studies*, 49(1):27-47.

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Wulong Gu and Mun Ho. 2000. "A Comparison of Industrial Productivity Growth in Canada and the U.S." *American Economic Review* 90(2): 172-175.

Richard Garbaccio, Mun Ho and Dale Jorgenson. 1999. "Why has the energy output ratio fallen in China?" *Energy Journal*, July, 20(3): 63-91.

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Mun Ho and Kevin Stiroh. 1998. "Revenue, Progressivity and the Flat Tax" *Contemporary Economic Policy*, 16(1): 85-97.

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Richard Barnett and Mun Ho. 1996. "Sunspots, Currency Substitution, and Inflationary Finance," *Journal of International Economics*, 41(2): 73-93.

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#### **Books**

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Clearer Skies over China: Reconciling Air Quality, Climate and Economic Goals, MIT Press, Cambridge, MA, 2013.

(contributor and co-editor with Chris P. Nielsen)

Clearing the Air: The Health and Economic Damages of Air Pollution in China, MIT Press, Cambridge, MA, 2007.

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Dale Jorgenson, Mun Ho and Kevin Stiroh. 2005. *Information Technology and the American Growth Resurgence*, MIT Press, Cambridge, MA.

# Papers in books and Discussion papers

Jing Cao, Mun Ho and Wenhao Hu. 2020. "Analyzing Carbon Price Policies using a General Equilibrium Model with Household Energy Demand Functions," in B. Fraumeni (ed) *Measuring Economic Growth and Productivity: Foundations, KLEMS Production Models, and Extensions*, Academic Press.

Richard Goettle, Mun Ho and Peter Wilcoxen. 2020. "Emissions accounting and carbon tax incidence in CGE models: bottom-up versus top-down," in B. Fraumeni (ed) *Measuring Economic Growth and Productivity: Foundations, KLEMS Production Models, and Extensions*, Academic Press.

Dale Jorgenson, Mun Ho and Jon Samuels. 2019. "Education Attainment and the Revival of U.S. Economic Growth," Hulten and Ramey (eds.) *Education, Skills and Technical Change*, NBER Studies in Income and Wealth Vol 77, University of Chicago Press. (Earlier version NBER Working Paper 22453, rev. March 2017)

Govinda Timilsina, Mun Ho and Jing Cao. 2017. "World Bank Experience in Low-Carbon Investments and the Role of Carbon Pricing in China," as Chapter 16 in Anbumozhi and Kalirajan (eds), *Globalization of Low-Carbon Technologies: The Impact of the Paris Agreement* Springer.

Jing Cao, Xiaolin Guo and Mun Ho. 2017. "Climate Change and Implementing the Paris Agreement – Analysis of a China Carbon Price and Renewable Energy Policy," in Jiankun He (ed), Tsinghua University Sustainable Development Center, 2017.

In Chinese: 应对气候变化与巴黎气候协定履约-中国碳定价与可再生能源政策分析与模拟

Mun Ho, Zhongmin Wang and Zichao Yu. 2017. *China's Power Generation Dispatch*, Resources for the Future Report, April.

Jing Cao, Mun Ho and Govinda Timilsina. 2016. "Impacts of Carbon Pricing in Reducing the Carbon Intensity of China's GDP," World Bank Policy Research Working Paper No. 7735, June.

Dale Jorgenson, Mun Ho and Jon Samuels. 2016. "US economic growth – retrospect and prospect: Lessons from a prototype industry-level production account for the US, 1947-2012" in Jorgenson, Fukao and Timmer (eds) *The World Economy: Growth or Stagnation?* Cambridge University Press.

Dale Jorgenson, Mun Ho and Jon Samuels. 2015. "The Outlook for U.S. Economic Growth. Lessons from a Prototype Industry-level Production Account for the U.S.," in Lindsey (ed.) *Understanding the Growth Slowdown*, Cato Institute, Washington.

重塑未来:未来 20 年的中国与世界,清华大学能源环境经济研究所 (Reshaping the Future: China and the World in the next 20 years), Tsinghua University, Institute for Energy and Environmental Economics, 2015. (with Tsinghua University team) http://newclimateeconomy.net/content/china-and-new-climate-economy

Mun Ho and Zhongmin Wang. 2014. "Green Growth (for China): A Literature Review," *RFF Discussion Paper* 14-22.

Jing Cao, Mun Ho and Dale Jorgenson. 2013. "The Economics of Environmental Policy in China" in Chris Nielsen and Mun Ho (eds.) *Clearer Skies over China: Reconciling Air Quality, Climate and Economic Goals*, MIT Press, Cambridge, MA.

Dale Jorgenson, Richard Goettle, Mun Ho and Peter Wilcoxen. 2012. "Energy, the Environment and U.S. Economic Growth," in Peter Dixon and Dale Jorgenson (eds.) *Handbook of Computable General Equilibrium Modeling*, Elsevier.

Jing Cao, Mun Ho and Dale Jorgenson. 2012. "An Integrated Assessment of the Economic Costs and Environmental Benefits of Pollution and Carbon Control," in *The Chinese Economy: A New Transition*, (eds) Masahiko Aoki and Jinglian Wu. Palgrave Macmillan.

Part of the Proceedings of the 16th World Congress of the International Economic Association.

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"Effects of Provisions in the Internal Revenue Code on Greenhouse Gas Emissions," report to the Board on Science, Technology and Economic Policy of The National Academies, April 2012. (by Dale Jorgenson Associates).

Dale Jorgenson, Mun Ho and Jon Samuels. 2011. "Information Technology and U.S. Productivity Growth: Evidence from a Prototype Industry Production Account," in Matilde Mas and Robert Stehrer (eds.) *Industrial Productivity in Europe: Growth and Crisis*, Edward Elgar.

Liwayway Adkins, Richard Garbaccio, Eric Moore, Richard Morgenstern. 2010. "The Impact on U.S. Industries of Carbon Prices with Output Based Rebates over Multiple Time Frames," *Resources for the Future Discussion Paper*, 10-47, December 2010 (draft presented at Workshop on *Carbon Policies, Competitiveness and Emissions Leakage: An International Perspective*, Washington DC, February 22, 2010).

"Reconciling Control of Carbon and Air Pollution with Economic Growth in China: Costs and Benefits of a Carbon Tax and SO2 Controls of the 11<sup>th</sup> Five Year Plan," report to the China Sustainable Energy Program of the Energy Foundation, January 2010. (with Chris Nielsen).

"Changes in China's Energy Intensity: Origins and Implications for Long-run Carbon Emissions and Climate Policies," EEPSEA Research Report. (with Jing Cao, 2009).

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*IGEHM: Inter-temporal General Equilibrium Model for Health Expenditures*, report to Centers for Medicare and Medicaid. (with Dale Jorgenson, Daniel Slesnick and Peter Wilcoxen, June 2008)

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Dale Jorgenson, Richard J. Goettle, Peter J. Wilcoxen, Hui Jin, Patrick Schoennagel. 2008. *The Economic Costs of a Market-based Climate Policy*, Pew Center on Global Climate Change White Paper, April.

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"Policies to Control Air Pollution Damages," Chapter 10 in Ho and Nielsen (eds.) *Clearing the Air*, MIT Press, Cambridge, MA.

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Mun Ho, Someshwar Rao and Jianmin Tang "Measuring the Contribution of ICTs to Economic Growth in Canadian and U.S. Industries," presented at Social Sciences and Humanities Research Council of Canada (SSHRC) Conference on Index Number Theory and the Measurement of Prices and Productivity, Vancouver 2004.

"Energy and U.S. Economic Growth in the next Thirty Years: The Role of Information Technology and Technical Change," Report to U.S. Department of Energy. (with D. Jorgenson and Peter Wilcoxen, September 2004).

Mun Ho, Dale Jorgenson and Wenhua Di. 2002. "The Health Benefits and Costs of Controlling Air Pollution in China" in Warford and Li (eds.) *Economics of the Environment in China*, China Council for International Cooperation on Environment and Development.

Mun Ho and Wulong Gu. 2001. "A Comparison of Industrial Productivity Growth in Canada and the United States", in *Industry-level Productivity and International Competitiveness Between Canada and the United States*, eds. Dale W. Jorgenson and Frank C. Lee, Industry Canada Research Monograph.

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#### **Selected Presentations and Mass Media**

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### **Completed Papers**

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