

# Lo Tek Sheng Kevin

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## EDUCATION

- 2014 Ph.D. in Geography, University of Melbourne, 2014.
- 2010 M.Env., University of Melbourne, 2010.
- 2003 M.Sc. in Multimedia Information Systems, Brunel University London, 2003.
- 2002 B.Sc. in Computer Science and Information Systems, University of Hong Kong, 2002.

## ACADEMIC EMPLOYMENT

### Permanent Positions

- 2015-present Assistant Professor, Department of Geography, Hong Kong Baptist University
- 2014-2015 Lecturer, Department of Geography, Hong Kong Baptist University

### Visiting and Adjunct Positions

- 2016-present Visiting Professor, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences.
- 2011-2014 Casual Lecturer and Tutor, University of Melbourne

## RESEARCH GRANTS

### Principle Investigator

- 2017 China's Low-Carbon City Initiative: Authoritarian Environmentalism and Climate Policy Experimentation, Early Career Scheme awarded by Research Grants Council of Hong Kong, HKD 820,000.
- 2016 Talent Introduction Project awarded by Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, CNY 400,000.
- 2016 HK Solar Map: A GIS Web Application for Rooftop Photovoltaics, Digital Scholarship Grant awarded by Hong Kong Baptist University, HKD 80,000.
- 2015 Start Up Grant for New Academics awarded by Hong Kong Baptist University, HKD 100,000.
- 2015 Local Climate Governance in China: A Systematic National Survey of Local Low-Carbon Responses, Faculty Research Grant awarded by Hong Kong Baptist University, HKD 49,000.

### Co-Investigator

- 2016 Urban Energy Innovation and Transitions in China: Typologies, Spatial patterns, and Causal mechanisms, Barlett Synergy Grant awarded by University College London.

## AWARDS AND HONOURS

- 2017 Regional Studies Association Award for Best Conference Paper (Early Career Category)  
2014 Melbourne School of Land and Environment Postgraduate Publishing Award  
2013  
2012  
2009 Melbourne Global Scholars Award

## PUBLICATIONS

### Journal Articles and Book Chapters

- 2017 Liu, D, **Lo, K**, Song, W and Xie, C. Spatial patterns of car sales and their socio-economic attributes in China. *Chinese Geographical Science*, 27, 684-696.
- 2017 Li, J, **Lo, K**, Zhang, P and Guo, M. Relationship between built environment, socio-economic factors and carbon emissions from shopping trip in Shenyang City, China. *Chinese Geographical Science*, 27, 722-734.
- 2017 **Lo, K** and Wang, M. Low-carbon (re-)industrialization: Lessons from China, in Nawratek, K (eds), *Urban Re-Industrialization*, Punctum Books, Brooklyn, 149-158.
- 2017 Tan, J, Zhang P, **Lo, K**, Li, J and Liu, S. Conceptualizing and measuring economic resilience of resource-based cities: Case study of Northeast China. *Chinese Geographical Science*, 27, 471-481.
- 2017 Tong, W, Zhang, P, **Lo, K**, Chen, T and Gao, R. Age-differentiated impact of land appropriation and resettlement on landless farmers: A case study of Xinghua village, China. *Geographical Research*, 55, 293-304.
- 2017 **Lo, K**. Renewable energy development in Hong Kong: Potential, progress, and barriers. *Current Sustainable/Renewable Energy Reports*, 4, 50-55.
- 2017 **Lo, K**. Grassroots environmentalism and low-carbon cities, in Dhakal, S and Ruth, M (eds.), *Creating Low Carbon Cities*, Springer International Publishing, Cham, 43-50.
- 2017 **Lo, K**. Asian energy challenges in the Asian century. *Journal of Asian Energy Studies*, 1, 1-6.
- 2016 Guo, F, **Lo, K** and Tong, L. Eco-efficiency analysis of industrial systems in the Songhua River basin: A decomposition model approach. *Sustainability*, 8, 1271.
- 2016 Tan, J, Zhang, P, **Lo, K**, Li, J and Liu, S. The urban transition performance of resource-based cities in Northeast China. *Sustainability*, 8, 1022.
- 2016 Li, J, **Lo, K**, Zhang, P, Guo, M. Consumer travel behaviors and transport carbon emissions: A comparative study of commercial centers in Shenyang, China. *Energies*, 9, 765.
- 2016 **Lo, K**, Xue, L, Wang, M. Spatial restructuring through poverty alleviation resettlement in rural China. *Journal of Rural Studies*, 47, 496–505.
- 2016 Li, H, **Lo, K**, Wang, M, Zhang, P, Xue, L. Industrial energy consumption in Northeast China under the revitalisation strategy: A decomposition and policy analysis. *Energies*, 9, 549.
- 2015 Li, J, Zhang, P, **Lo, K**, Guo, M, Wang, M. Reducing carbon emissions from shopping trips: Evidence from China. *Energies*, 8, 10043-10057.

- 2015 Wang, M and **Lo, K.** Displacement and resettlement with Chinese characteristics: An editorial introduction. *Geography Research Forum*, 35, 1-9.
- 2015 **Lo, K.** Governing China's clean energy transition: Policy reforms, flexible implementation and the need for empirical investigation. *Energies*, 8, 13255-13264.
- 2015 **Lo, K.** How authoritarian is the environmental governance of China? *Environmental Science and Policy*, 54, 152-159.
- 2015 **Lo, K.**, Li, H and Wang, M. Energy conservation in China's energy-intensive enterprises: An empirical study of the Ten-Thousand Enterprises Program. *Energy for Sustainable Development*, 27, 105-111.
- 2015 Li, H, **Lo, K.** and Wang, M. Economic transformation of mining cities in transition economies: Lessons from Daqing, Northeast China. *International Development Planning Review*, 37, 311-328.
- 2015 Yang, S, Wang, C, **Lo, K.**, Wang, M and Liu, L. Quantifying and mapping spatial variability of Shanghai household carbon footprints. *Frontiers in Energy*, 9, 115-124.
- 2015 **Lo, K.** The "Warm Houses" program: Insulating existing buildings through compulsory retrofits. *Sustainable Energy Technologies and Assessments*, 9, 63-67.
- 2015 **Lo, K.** Campus sustainability in Chinese higher education institutions: Focuses, motivation and challenges. *International Journal of Sustainability in Higher Education*, 16, 34-43.
- 2015 **Lo, K.**, Wang, M, Qin, B and Han, S. Low carbon city development in China, in Han, S, Green, R and Wang, M (eds.), *Towards Low Carbon Cities in China: Urban Forms and Greenhouse Gas Emissions*, Routledge, Oxon, 21-50.
- 2015 **Lo, K.** and Wang, M. Low carbon policies and programs in China, in Han, S, Green, R and Wang, M (eds.), *Towards Low Carbon Cities in China: Urban Forms and Greenhouse Gas Emissions*, Routledge, Oxon, 51-75.
- 2014 **Lo, K.** Urban carbon governance and the transition towards low-carbon urbanism: Review of a global phenomenon. *Carbon Management*, 5, 269-283.
- 2014 **Lo, K.** China's low-carbon city initiatives: The implementation gap and the limits of the target responsibility system. *Habitat International*, 42, 236-244.
- 2014 Liu, S, Zhang, P and **Lo, K.** Urbanization in remote areas: A case study of the Heilongjiang Reclamation Area, Northeast China. *Habitat International*, 42, 103-110.
- 2014 **Lo, K.** A critical review of China's rapidly developing renewable energy and energy efficiency policies. *Renewable and Sustainable Energy Reviews*, 29, 508-516.
- 2014 **Lo, K.** Low carbon governance in China: Barriers and solutions. *Scientia Geographica Sinica*, 34, 265-271.
- 2014 **Lo, K.** Energy-related carbon emissions of China's model environmental cities. *Geography Journal*, 2014, 1-7.
- 2014 Tong, W, Yang, Q, Zhang, P, **Lo, K.** and Han, R. The impact of economic development on the environment and the applicability of the environmental Kuznets curve in Jilin province. *Journal of Earth Sciences and Engineering*, 7, 732-737.
- 2013 **Lo, K.** Deliberating on the energy cap in China: The key to a low-carbon future? *Carbon Management*, 4, 365-367.
- 2013 **Lo, K.** Energy conservation in China's higher education institutions. *Energy Policy*, 56, 703-710.

- 2013 **Lo, K** and Wang, M. Energy Conservation in China's Twelfth Five-Year Plan Period: Continuation or Paradigm Shift? *Renewable and Sustainable Energy Reviews*, 18, 499-507.
- 2013 **Lo, K**. Approaching neighborhood democracy from a longitudinal perspective: An eighteen-year case study of a homeowner association in Beijing. *Urban Studies Research*, 2013, 1-10.
- 2013 **Lo, K** and Wang, M. The development and localisation of a foreign gated community in Beijing. *Cities*, 30, 186-192.
- 2013 Liu, S, Zhang, P, Jiang, X and **Lo, K**. Measuring sustainable urbanization in China: A case study of the coastal Liaoning Area. *Sustainability Science*, 8, 585-594.
- 2013 **Lo, K**. Interested but unsure: Public attitudes toward electric vehicles in China. *Electronic Green Journal*, 36, 1-12.

### **Edited Journal Issues**

- 2017 **Lo, K**. Regional renewable energy (China). *Current Sustainable/Renewable Energy Reports*, 4.
- 2015 Wang, M and **Lo, K**. Special issue: Displacement and resettlement with Chinese characteristics. *Geography Research Forum*, 35.

### **Book Reviews**

- 2015 **Lo, K**. Energy efficiency: The definitive guide to the cheapest, cleanest, fastest source of energy. *Energy Technology*, 3, 667.
- 2014 **Lo, K**. Chinese perspectives on the environment and sustainable development. *Asian Studies Review*, 38, 695-696.
- 2013 **Lo, K**. Small, gritty, and green: The promise of America's smaller industrial cities in a low-carbon world. *Electronic Green Journal*, 36, 1-2.
- 2013 **Lo, K**. Cities and climate change. *Traffic*, 13, 199-201.

### **Other publications**

- 2016 **Lo, K** and Lo, A. China's plan to increase coal power by 20% is not the climate disaster it seems. *The Conversation*.

## **PRESENTATIONS**

### **Invited Talks**

- 2017 Spatio-temporal dynamics and evolution of urban energy transition: Foshan's distributed solar energy development. School of Geographical Science, Northeast Normal University, Changchun, China, June 15.
- 2017 Towards a spatio-evolutionary perspective of urban energy transition: Case study of distributed PV in Foshan. Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun, China, June 12.
- 2016 Publishing in SCI/SSCI journals: The importance of linking to larger theoretical questions. Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun, July 18.

### **Conference Presentations**

- 2017 China's photovoltaics poverty alleviation initiative: Can renewable energy be pro-poor? Governance for Sustainable Energy Transitions: The Perspectives of the Asian-Pacific Region, Hong Kong, July 16.
- 2017 The dynamic balance (no net loss) of arable land policy and linked urbanization in China. Institute of Australian Geographers Conference, Brisbane, July 11-14.
- 2017 Poverty alleviation resettlement and spatio-economic restructuring in rural China. Regional Studies Association 2nd Australasia Conference, Sydney, July 3-5.
- 2016 How authoritarian is China's low-carbon governance? A local perspective. 33rd International Geographical Congress, Beijing, August 21-25.
- 2014 China's low-carbon governance: authoritarian or neoliberal? 2nd Young Scholars' Conference on China Studies, Hong Kong, December 15-16.
- 2014 Authoritarian environmentalism and China's climate governance. Hong Kong Geography Day 2014, Hong Kong, November 22.
- 2013 Who does what in the low-carbon transformation of Chinese cities? International Conference of China's Urban Transformation and Restructuring, Guangzhou, December 13-15.
- 2013 Decarbonisation of industry in China: Key local actors and challenges. 2013 Melbourne-Renda International Conference, Melbourne, August 12-13.
- 2013 Learning from abroad: Policy transfer in China's climate change policy. Chinese Studies Association of Australia Conference, Hobart, July 9-11.
- 2013 Uneven actions and conflicting incentives: The roles of local government in China's climate change governance. Institute of Australian Geographers Conference, Perth, July 1-3.

### **Departmental Talks**

- 2015 The localisation of global climate governance. Department of Geography Public Seminar Series, Hong Kong, February 26.
- 2013 Sustainability in Chinese higher education institutions. Chinese Studies Research Group Seminar, Melbourne, Australia, November 1.

### **TEACHING EXPERIENCE**

#### **Hong Kong Baptist University (2014-present)**

Global Energy Development

Energy Audit and Carbon Management

Renewable Energy System and Technology

Research Methods and Statistics

#### **University of Melbourne (2011-2014)**

China in Transition

China Field Class

Reshaping Environments

Understanding Asia

## **PROFESSIONAL SERVICE**

### **Journal Editorship**

- 2017-present Editor, Journal of Asian Energy Studies.  
2016-present Section Editor, Current Sustainable/Renewable Energy Reports.  
2015-present Review Editor, Frontiers in Energy Research.  
2013-present Editorial Board Member, AIMS Energy.  
2014-2015 Guest Editor, Geography Research Forum.

### **Journal Review**

Agricultural Economics, Asian Geographer, Atmospheric Pollution Research, Carbon Management, Cities, Energies, Energy Policy, Energy Research & Social Science, Environment and Planning C: Government and Policy, Environment, Development and Sustainability, Eurasian Geography and Economics, Global Environmental Change, Habitat International, International Journal of Sustainability in Higher Education, Journal of Cleaner Production, Journal of Earth Sciences and Engineering, Journal of Fundamentals of Renewable Energy and Applications, Journal of Urbanism, Land Use Policy, Landscape and Urban Planning, Policy Studies, Review of Policy Research, Renewable and Sustainable Energy Review, Sustainability, Sustainable Cities and Society, Sustainable Development, Sustainable Energy Technologies and Assessments, Urban Studies Research, Research of Agricultural Modernization.

### **Grant Review**

Research Grants Council of Hong Kong

### **Public Engagement**

- 2017 TV Interview, The Pearl Report, TVB.  
2017 TV Interview, The Pulse, RTHK.