

## Leiwen Jiang

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### 1. Education

Bachelor of Law (Sociology), 1988, Peking University, China

Master of Law (Sociology), 1991, Peking University, China

PhD in Environment Sciences (Demography), 1999, the University of Amsterdam, The Netherlands

Postdoctoral Fellow, 2000, Max Planck Institute for Demographic Research, Germany

### 2. Work History

- 2015- Founding director and Professor, Asian Demographic Research Institute (ADRI), Shanghai University, Shanghai, China
- 2018- Senior Associate, advisor for Population, Environmental Risks, and Climate Change Initiative, Population Council, New York, USA
- 2009-18 Project Scientist III, Climate and Global Dynamics Laboratory, National Center for Atmospheric Research (NCAR), Boulder, USA
- 2008-09 Chief Demographer, Population Action International (PAI), Washington DC, USA
- 2003-08 Assistant Professor, Watson Institute for International Studies, and Faculty Associate of Population Study and Training Center, Brown University, Providence, USA
- 2007-09 Distinguished Oversea Guest Researcher, Institute of Geographic Sciences and Natural Resources, China Academy of Sciences, Beijing, China
- 2004-09 Guest Research Fellow, Population and Climate Change Program, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
- 2000-02 Associate Professor, Institute for Population Research, Peking University, Beijing, China
- 2000 Postdoctoral Fellow, Max Planck Institute for Demographic Analysis, Rostock, Germany
- 2000 Summer Faculty Fellow, Center for Institutional, Population and Environmental Changes (CIPEC), Indiana University, Bloomington, USA
- 1997-98 Visiting PhD Student with Population Council Fellowship, Max Planck Institute for Demographic Analysis, Rostock, Germany
- 1991-94 Research Assistant and Lecturer, Institute of Population Research, Peking University, Beijing, China

### 3. Professional and Community Services

- 2018- Council Member, Asian Population Association
- 2017- Scientific Committee Member, IUSSP Population and Environment Research Network (PERN)
- 2019 Member of Expert Panel, UN Commission on Population and Development 52<sup>nd</sup> Session
- 2018- Advisory Board Member, Vienna Institute of Demography

- 2018 Vice Chairman of National Organization Committee and Member of Scientific Committee of the 4<sup>th</sup> Conference of Asian Population Association
- 2018-20 Convener of Theme on Development, Environment and Space, European Population Conference 2020
- 2020- Editorial Board Member, Vienna Yearbook for Population Research
- 2018- International Advisory Board Member, Asian Population Studies Journal
- 2017- Editorial Board Member, China Population and Development Studies
- 2017-18 Scientific Committee Member, Rocky Mountain Research Data Center
- 2016- Principal Investigator, Asian MetaCentre for Population and Sustainable Development Analysis
- 2016-18 Chair, Asian Population Association (APA) Scientific Group on One-Belt-One-Road Initiative and its Socioecological Implications
- 2016 Convener of theme on Population, Consumption and Environment for International Union for Scientific Studies of Population (IUSSP) Conference
- 2015-18 Adjunct Professor, Colorado University at Boulder
- 2010-14 Lead Author, Intergovernmental Panel for Climate Change (IPCC) the 5<sup>th</sup> Assessment Report
- 2015-16 Coordinator, Intergovernmental Panel for Climate Change (IPCC) Scholarship Program Technical Committee of Working Group III
- 2015 Member, UN Expert Panel on Integrating Population Issues into the Post-2015 Development Agenda
- 2014 Co-moderator and expert panelist of cyber-seminar on the Shared Socioeconomic Pathways (SSPs), Population-Environment Research Network (PERN)
- 2012-13 Co-chair, UCAR (University Corporation for Atmospheric Research) ESL Program
- 2012-13 Host and moderator, Seminar Series of Climate and Global Dynamics Division, National Center for Atmospheric Research (NCAR)
- 2011-13 Member, Scientific Panel for Climate Change, International Union for Scientific Studies of Population (IUSSP)
- 2002-04 Associate Chief Editor, Market and Demographic Analysis
- 2000-05 Collaborator, Asia MetaCentre for Population and Sustainable Development Research
- 2002 Consultant to the World Bank China Renewable Energy Development Program
- 2001 Consultant to UNICEF Beijing Office
- 2001 Group Leader of IHDP/START International Human Dimension Program

#### 4. Publications List

##### 4.1 Refereed Journal Articles

1. **Jiang, L.** B.C. O'Neill, H. Zoraghein, S. Dahlke, 2020. Population Scenarios for US state consistent with Shared Socioeconomic Pathways. *Environmental Research Letters*, 15 (19) 094097.
2. O'Neill, B.C., **L. Jiang**, S. KC, R. Fuchs, S. Pauchauri, E. Laidlaw, T. Zhang, W. Zhou, X. Ren. 2020. The effect of education on determinants of climate change risks. *Nature Sustainability* 3 520-528.
3. Abdelwahed, A., A. Goujon, **L. Jiang**, 2020. The migration intentions of young Egyptians. *Sustainability* 12 (23) 9803; <https://doi.org/10.3390/su12239803>.
4. Striessnig, E., J. Gao, B. O'Neill, **L. Jiang**, 2019: Empirically based spatial projections of US

- population age structure consistent with the shared socioeconomic pathways. *Environmental Research Letters* 14 (11), 114038.
5. **Jiang, L.** and B. O'Neill, 2018: Determinants of urban growth during demographic and mobility transitions: evidence from India, Mexico, and the US. *Population and Development Review*, vol. 44 (2): 363-389.
  6. K. Chen, AM Fiore, R. Chen, **L. Jiang**, B. Jones, A Schneider, A Peters, J. Bi, H. Kan, PL Kinney, 2018: Future ozone-related acute excess mortality under climate and population change scenarios in China: a modeling study. *PLoS medicine* vol. 15 (7): e1002598.
  7. **Jiang, L.** and B.C. O'Neill, 2017: Global urbanization projections for the Shared Socioeconomic Pathways. *Global Environmental Changes* 42 (2017): 193-199.
  8. Riahi, K., DP Van Vuuren, E Kriegler, J Edmonds, BC O'Neill, S Fujimori, N Bauer, K Calvin, R Dellink, O Fricko, W Lutz, A Popp, JC Cuaresma, KC Samir, M Leimbach, **L. Jiang**, T Kram, S Rao, J Emmerling, K Ebi, T Hasegawa, P Havlik, F Humpenöder, LA Da Silva, S Smith, E Stehfest, V Bosetti, J Eom, D Gernaat, T Masui, J Rogelj, J Strefler, L Drouet, V Krey, G Luderer, M Harmsen, K Takahashi, L Baumstark, JC Doelman, M Kainuma, Z Klimont, G Marangoni, H Lotze-Campen, M Obersteiner, A Tabeau, M Tavoni. 2017: The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: an overview. *Global Environmental Changes* 42 (2017): 153-168.
  9. K Chen, RM Horton, DA Bader, C Lesk, **L. Jiang**, B Jones, L Zhou, X Chen, J Bi, PL Kinney, 2017: Impact of climate change on heat-related mortality in Jiangsu Province, China. *Environmental Pollution* 224: 317-325.
  10. Knorr, W., F. Dentener, JF Lamarque, **L. Jiang**, and A. Arneth, 2017. Wildfire air pollution hazard during the 21<sup>st</sup> century. *Atmos. Chem. Phys.*, 17(14): 9223-9236.
  11. Knorr, W. A. Arneth, **L. Jiang**, 2016: Demographic controls of future global fire risks, *Nature Climate Change* 6:781-785.
  12. Knorr, W., **Jiang, L.**, and Arneth, A. 2016: Climate, CO<sub>2</sub> and human population impacts on global wildfire emissions, *Biogeosciences*, 13:267-282, doi:10.5194/bg-13-267-2016.
  13. Runfola D., **Jiang L.**, Romero Lankao P., Hunter L., Nawrotzki R., Sanchez L., 2016: The influence of internal migration on exposure to extreme weather events in Mexico. *Society & Natural Resources*, 29(6) 750-754.
  14. Knorr, W., Dentener, F., Hantson, S., Jiang, L., Klimont, Z., and Arneth, A. 2016: Air quality impacts of European wildfire emissions in a changing climate, *Atmos. Chem. Phys.*, 16 (9): 5685-5703.
  15. Nawrotzki, Raphael, and **L. Jiang**, 2015: Indirectly Estimating International Net Migration Flows by Age and Gender: The Community Demographic Model International Migration (CDM-IM) Dataset. *Historical Methods* 48(3): 113-127.
  16. Mutarak, R., W. Lutz, and **L. Jiang** 2016. What can demographers contribute to the study of vulnerability? *Vienna Yearbook of Population Research*. (2015)13: 1-13.
  17. O'Neill B, **Jiang L.** Gerland P., 2015: Plausible reductions in future population growth and implications for the environment. *Proceedings of the National Academy of Sciences (PNAS)*, Vol. 112 (6), E506.
  18. **Jiang, L.** 2014: Internal consistency of demographic assumptions in the shared socioeconomic pathways. *Population and Environment*. 35(3): 261-285.
  19. **Jiang, L.** and Karen Hardee. 2014: Women's education, family planning, or both? Application of

- multistate demographic projections in India. *International Journal of Population Research*, Volume 2014: 1-9. <http://dx.doi.org/10.1155/2014/940509>
20. Brian O'Neill, Brant Liddle, **Leiwen Jiang**, Kirk R. Smith, Shonali Pachauri, Michael Dalton, Regina Fuchs. 2012: Demographic change and emissions of carbon dioxide, the main greenhouse gas, *Lancet*. 380 (9837): 157-164.
  21. W. Lutz, W. Butz, M. Castro, P. Dasgupta, P. Demeny, I. Ehrlich, S. Giorguli, D. Habte, W. Haug, A. Hayes, M. Herrmann, **L. Jiang**, D. King, D. Kotte, M. Lees, P. Makinwa-Adebusoye, G. McGranahan, V. Mishra, M. Montgomery, K. Riahi, S. Scherbov, X. peng, B. Yeoh, 2012: Demography's role in sustainable development, *Science* 335 (670): 918.
  22. Krey, V., O'Neill, B.C., van Ruijven, B., Chaturvedi, V., Daioglou, V., Eom, **J., Jiang, L.**, Nagai, Y., Pachauri, S., Ren, X., 2012: Urban and rural energy use and carbon dioxide emissions in Asia. *Energy Economics*, 34 (Supplement 3): S272-83.
  23. O'Neill, B.C., Ren, X., **Jiang, L.**, and M.G. Dalton. 2012. The effect of urbanization on energy use in India and China in the iPETS model. *Energy Economics*, 34 (Supplement 3): 339-45.
  24. **Jiang, Leiwen** and Karen Hardee, 2011: How do recent population trends matter to climate change, *Population Research and Policy Review*, 30(2): 287-312.
  25. Orenstein, Daniel, **Leiwen Jiang**, and Steve Hamburg, 2011: An elephant in the planning room: political-demography and its influence on sustainable land use planning in drylands, *Journal of Arid Environments*, 75(6): 596-611.
  26. O'Neill, Brian, M. Dalton, R. Fuchs, **L. Jiang**, S. Pachauri, and K. Zigova, 2010: Global demographic trends and future carbon emissions, *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 107(41):17521-17526.
  27. **Jiang, Leiwen**, 2010: The impacts of demographic dynamics on climate change, *Population Research* (in Chinese), 34(1): 59-69.
  28. Huang, Youqian and **Leiwen Jiang**, 2009: Housing inequality in transitional Beijing, *International Journal of Urban and Regional Research*, 33(4):936-956.
  29. Pachauri, Shonali and **Leiwen Jiang**, 2008: The household energy transition in India and China, *Energy Policy*, 36(11): 4022-4035.
  30. Dalton, Michael, Brian O'Neill, Alexia Fuernkranz-Prskawetz, **Leiwen Jiang**, and John Pitkin, 2008: Population Aging and Future Carbon Emissions in the United States, *Energy Economics*, 30(2): 642-675.
  31. **Jiang, L.**, Malea Hoepf, and Karen Hardee, 2008: Population, urbanization and the environment, *World Watch*, 21(5): 34-39.
  32. Zeng, Yi, Zhenglian Wang, **Leiwen Jiang**, and Danan Gu, 2008: Projection of Family Households and Elderly Living Arrangement in the Context of Rapid Population Aging in China – A Demographic Window of Opportunity until 2030 and Serious Challenges thereafter, *Genus*, LXIV, No. 1-2: 9-36.
  33. Sherbinin, A. de, D. Carr, S. Cassels and **Leiwen Jiang**, 2007: Population and Environment, *Annu. Rev. Environ. Resour.* 32 (5): 1-29.
  34. **Jiang, Leiwen** and Brian O'Neill, 2007: Impact of demographic trend on US household size and structure, *Population and Development Review*, 33 (3): 429-656.
  35. Huang, Qian, Zhao Zhijie, and **Leiwen Jiang**, 2006: Analysis of land use/cover change processes in the reclamation area in the lower reaches of the Tarim River, *Arid Land Geography*, 29(6): 894-901.

36. **Jiang, Leiwen**, 2006: Living condition of floating population in urban China, *Housing Studies*, Vol. 21, No. 5, 719–744.
37. **Jiang, Leiwen**, Tong Yufen, Zhao Zhijie, Li Tianhong, Liao Jianhua, 2005: Water resources, land exploitation and population dynamics in arid areas – the case of Tarim River Basin in Xinjiang of China, *Population and Environment*, 26(5):471-503.
38. **Jiang, Leiwen**, Pang Lihua and Zhang Zhiming, 2005: Slum expansion and floating population in urban China, *Population Research* (in Chinese), 29 (4): 16-27.
39. **Jiang, Leiwen** and Ren Qiang, 2005: Projection of households and housing demand in China, *Market and Demographic Analysis* (in Chinese), 11(2):20-29.
40. **Jiang, Leiwen** and Brian O’Neill, 2004: Energy transition in rural China, *International Journal of Global Energy Issues*, 21(1/2): 2-26.
41. Prskawetz, Alexia, **Leiwen Jiang**, and Brian C. O’Neill. 2004. Demographic composition and projections of car use in Austria, *Vienna Yearbook of Population Research* 2004, p. 274-326.
42. Wang, Haitao, Ren Qiang and **Leiwen Jiang**, 2004: Socio-demographic analysis of housing privatization in the large cities of China, *Market and Demographic Analysis* (in Chinese), 10(2): 56-62.
43. **Jiang, Leiwen** and Brian O’Neill, 2004: Towards a new model for probabilistic household forecasts, *International Statistical Review*, 72(1): 51-64.
44. Lu, Jiehua, Wang Guangzhou, Li Jianxin, Cai Wenmei, **Leiwen Jiang**, and Ni Hai-er, 2003: An empirical study of the effects of the change in population, consumption and technology on marine fishery and aquatic products – a case study in Zhoushan Fishery, Zhejiang Province, *Population and Economics* (in Chinese), 138: 1-7.
45. **Jiang, Leiwen**, 2002: On the linkage between Population Sciences and Remote Science, *Marketing and Demographic Analysis* (in Chinese), 8(4): 25-32
46. **Jiang, Leiwen**, 2002: The “European Second Demographic Transition” and population change in China, *Population Research* (in Chinese), 26(3): 45-49.
47. Lu, Jiehua, Cai Wenmei, Li Jianxin, Wang Guangzhou, and **Leiwen Jiang**, 2002: The Establishment of the Simulating Model of Population and Marine Fishery Resource System in China, *Population and Economics* (in Chinese), 132: 3-9.
48. **Jiang, Leiwen** and A. Kuijsten, 2001: Regional disparities of urbanization levels in China, *Chinese Journal of Population Sciences* (in Chinese), No. 1, p. 45-51.
49. **Jiang, Leiwen** and A. Kuijsten, 2001: Effects of population and household changes on environment: theories, models, and application, *Population Research* (in Chinese), 25(1): 47-55.
- Jiang, Leiwen** and A. Kuijsten, 2001: Theories, methodology and practice of household projection for small areas, *Population and Economics* (in Chinese), 128: 33-42.
50. **Jiang, Leiwen**, 2001: Study on the differences in individual fertility of the Chinese oldest old, Special Issue of *Chinese Journal of Population Sciences* (in Chinese), October, p. 27-31.
51. **Jiang, Leiwen**, 2000: Demographic analysis on regional environmental protection, *Marketing and Demographic Analysis* (in Chinese), 6(4): 36-41.
52. Zeng, Yi and **Leiwen Jiang**, 1999: Does Rapid Economic Growth Accompanied by Massive Migration Necessarily Result in Severe Environmental Pollution?" *Current Politics and Economics of China*, 3 (3): 427-445.
53. **Jiang, Leiwen**, 1996: Round up on the International Seminar on Population and Sustainable Development, *Chinese Journal on Population Sciences* (in Chinese), no. 1, p. 51-58.

54. **Jiang, Leiwen**, 1994: Macau impression, *Sociology and Social Survey* (in Chinese), no. 4, p. 72-76.
55. **Jiang, Leiwen** and Li Jianxin, 1994: Impacts of migration on rural communities, *Sociology and Social Survey* (in Chinese), no. 5, p. 9-12.
56. Zheng, Xiaoying, **Leiwen Jiang**, and Zheng Zhenzhen, 1994: The current condition and trends of contraceptive continuity in China, *Population Research* (in Chinese), 18(4):16-22.
57. **Jiang, Leiwen**, 1993: Applied demography and social development, *Population* (in Chinese), no. 4, p. 25-29.
58. **Jiang, Leiwen**, 1993: Roundup on the national symposium on in-depth analysis of China 4<sup>th</sup> Census and demographic statistical skills, *Population News* (in Chinese), no. 1, p. 55-61.
59. **Jiang, Leiwen**, Liu Yi and Dong Ligu, 1993: A Study of women's marriage, fertility and family life in Hunan Province, *Southern Population* (in Chinese), no. 3, p. 37
60. Cai, Wenmei and **Leiwen Jiang**, 1993: Political participation of Chinese women, *Women Studies* (in Chinese), 19(4): 26-27.
61. Zheng, Xiaoying, **Leiwen Jiang** and Han Yonghua, 1993: Impacts of induced abortion on women's psychology and choices and conversions of contraceptive methods, *China Journal of Family Planning* (in Chinese), 4:206-207.
62. **Jiang, Leiwen**, 1993: Summary on symposium of in-depth analysis and demographic statistical skills, *Chinese Journal on Population Science* (in Chinese), no. 4, p. 53-57.
63. **Jiang Leiwen**, 1993: Demographics and community management and social development, *Population* (in Chinese), no. 12.
64. **Jiang Leiwen**, 1992: Social mobility of China urban population, in China Reform and Ten-Year of Sociology, *Supplement volume of Sociology and Social Survey* (in Chinese), p. 72-80.
65. **Jiang, Leiwen**, Duan Hongyu, Liu Jinglei, Li Guangjian and Ling Yonghong, 1991: Comparative study on occupational prestige between Beijing and Guangzhou, *Sociology and Social Survey* (in Chinese), no. 5, p. 34-42.

#### 4.2 Other refereed publications

1. Agrawala, S., Klasen, S., Acosta Moreno, R., Barreto, L., Cottier, T., Guan, D., GutierrezEspeleta, E., Gámez Vázquez, A., **Jiang, L.**, Kim, Y., Lewis, J., Messouli, M., Rauscher, M., Uddin, N., & Venables, A. 2014: Regional Development and Cooperation. In: Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) [Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Farahani, E., Kadner, S., Seyboth, K., Adler, A., Baum, I., Brunner, S., Eickemeier, P., Kriemann, B., Savolainen, J., Schlömer, S., von Stechow, C., Zwickel, T., & Minx, J. (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA
2. Zeng, Yi, **Leiwen Jiang**, Zhenglian Wang and Danan Gu, 2010: Chinese family and living arrangement for the elderly, in Zeng, Yi (ed.), *Research on Elderly Population, Family, Health and Care Needs/Costs*. Beijing: Science Press, p. 220-230 (in Chinese).
3. **Jiang, Leiwen**, Tong Yufen, Zhao Zhijie, Li Tianhong, Han Wei, 2009: Impacts of Population Migration on Land Degradation in Tarim River Basin, Xinjiang of China, in ABE Ken-ichi (ed.), *Impacts on the Good Earth*, Tokyo: Tokyo University Press.
4. **Jiang, Leiwen**, 2002: Population, Development and Environment, in I. Attane (ed.): *China in Transition: Population and Society Issues*, Paris: INED, p. 545-562 (in French).

5. Zhao Shidong, Zeng Yi, Bai Wangqi, Qi Wenhua, Liu Guiping, Zhang Taolin, Qin Mingzhou, and **Leiwen Jiang**, 2001: Population, Consumption, and Land Use in the Pearl River Delta, Guangdong Province, in Indian National Science Academy, Chinese Academy of Sciences, U.S. National Academy of Science, *Growing Population, Changing Landscapes*, Washington D.C.: National Academy Press, p. 178-205.
6. Zhao Shidong, Lu Jiehua, Zeng Yi, Qi Wenhua, Liang Zhiwu, Zhang Taolin, Liu Guiping, Qin Mingzhou, **Leiwen Jiang**, 2001: Population, Consumption, and Land Use in the Jitai Basin Region, Jiangxi Province, in Indian National Science Academy, Chinese Academy of Sciences, U.S. National Academy of Science, *Growing Population, Changing Landscapes*, Washington D.C.: National Academy Press, p.206-230.
7. **Jiang, Leiwen**, 1999: *Population and Sustainable Development in China – Population and Household Scenarios for Two Regions*, Amsterdam: Thela Thesis.
8. **Jiang, Leiwen**, 1995: Regional Family Projection in China, *PDOD (PDOD-Paper)* No. 32, Amsterdam, the Netherlands.
9. Cai Wenmei, Song Yuhua, **Leiwen Jiang**, 1995: The Chapter of China, in Jordan I. Kosbrg (ed.), *International Handbook on Services for the Elderly*, Greenwood Press, Westport, Conn.

#### 4.3 Non- or partial-refereed Publications

1. Johansen, I. C., R. Luiz do Carmo, E. K. Laidlaw, and **L. Jiang**, 2019: An update of Brazilian household-level income and consumption patterns as an input to the iPETS model. NCAR Technical Note NCAR/TN-549+STR, 42 pp, doi:10.5065/D6S181BB.
2. **Jiang, L.** Zoraghein, H., O'Neill, BC, 2018: Population projections for US states under the Shared Socioeconomic Pathways based on global gridded population projections. NCAR Technical Note NCAR/TN-542+STR, 49 pp. DOI: 10.5065/D6930RXZ.
3. Laidlaw, E.K., **Jiang, L.**, 2018. An update of Indonesian household-level income and consumption patterns as an input to the iPETS model. NCAR Technical Note NCAR/TN-543+STR, 46 pp. DOI: 10.5065/D6NV9H2Z.
4. Nawrotzki, R., and **L. Jiang**, 2014: Community Demographic Model International Migration (CDM-IM) Dataset: Generating Age and Gender [Profiles](#) of International Migration Flows. NCAR Technical Note NCAR/TN-508+STR, 41 pp, DOI: [10.5065/D6NSORV2](#).
5. **Jiang, Leiwen** and B.C. O'Neill. 2009. Household projections for rural and urban areas of major regions of the world. *IIASA Interim Report* IR-09-026. Laxenburg, Austria: IIASA.
6. Zigova, K, Fuchs, R, **Jiang, L**, O'Neill, BC, Pachauri, S. 2009. Household survey data used in calibrating the Population-Environment-Technology model. *Interim Report* IR-09-046 . Laxenburg, Austria: IIASA.
7. **Jiang, Leiwen**, 2008: Zhongwei Zhao and Fei Guo (eds.): Transition and Challenge: China's Population at the Beginning of the 21<sup>st</sup> Century. *European Journal of Population*, 24:453-454.
8. Brian O'Neill and **Leiwen Jiang**, 2007: Project US household changes with a new household model, International Institute for Applied System Dynamics Analysis, *IIASA Interim Report*, IR-07-012, Laxenburg, Austria.
9. Dalton M., **Jiang L.**, Pachauri S., and O'Neill B.C., 2007: Demographic change and future carbon emissions in China and India. Presented at Population Association of America annual meeting, March 29-31, New York.
10. **Jiang, Leiwen** and Ren Qiang, 2005: Studies on population and household dynamics and

housing changes in China, in *Selected Papers of Scientific Studies on China's Fifth Census*, China Statistical Press (Chinese).

11. **Jiang, Leiwen**, Anton Kuijsten, 2003: Urbanisation and temporary population in China, in Thierry Eggerickx, Catherine Gourbin, Bruno Schoumaker, Christophe Vandeschrick et Eric Vilquin (eds.), *Chaire Quetelet 1999: Populations et Defis Urbains*, Belgium: Ed. Academia-Bruylant, p. 165-192 (French).
12. **Jiang, Leiwen**, 2002: New perspective on population and sustainable development, *China Population Newspaper*, May 15 (Chinese).
13. **Jiang, Leiwen**, 2000: Socio-Demographic Changes and Deforestation and Forest Regrowth in Indiana, Bloomington: *Publication CSFF-1, CIPEC, Indiana University*.
14. Zheng Xiaoying, **Leiwen Jiang**, and Zheng Zhenzhen (eds.), 1996: *Study on the Problems and Development of Chinese Women Population*, Peking University Press (Chinese).
15. **Jiang, Leiwen**, 1996: Demographics on social development and local administration, in Wu Zhong and Zeng Yi (eds.), *Demographic Studies and Market Economy*, Peking University Press, p. 65-72 (Chinese).
16. Zeng Yi and **Leiwen Jiang**, 1996: On population growth and land use, in Proceedings of International Symposium "Resources, Environment, and Sustainable Development in Northeast Asia and Its Adjacent Regions", Shenyang, August 7-10, p. 225-227.
17. **Jiang, Leiwen**, 1996: What do we know about social-cultural research and population policy formulation in China, in Final Report of Asian Regional Director Meeting for Project (UNESCO) "Socio-Cultural Factors Affecting Demographic Behavior and Implications for the Formulation and Execution of Population Policies and Programmes", Bangkok, Thailand, March 15-23, p.4-5.
18. **Jiang, Leiwen**, 1995: Study on marriage and family in Guangdong Province, in Rufino Ramos, Duan Dayuan, John E. M. Barnes, Huang Hanqiang (eds.), *Population and Development in Macao*, University of Macao Press, p. 149-169.
19. **Jiang, Leiwen**, 1993: Seminar on the prevention and control of STDs, *China Population Today*, No. 3, p. 19-20.
20. Cai Wenmei and **Leiwen Jiang**, 1992: Family planning policy and women reproductive health, *Proceedings on International Conference on China Women Studies*, Peking University Press, p. 48-52 (Chinese).
21. **Jiang, Leiwen**, Song Dong and Zhu Youhong, 1992: *Psychology of Job Searching*, China Science and Technology University Press (Chinese).
22. Tu, Ping, **Leiwen Jiang** and Zeng Yi (eds.), 1992: *China Population Situation in 1990 – In-Depth Analysis on Statistics from National Census*, Beijing: Ministry of Education and China Population Association (Chinese).
23. **Jiang, Leiwen**, 1992: Chapter 3, Industrial Structure, in Yuan Fang (ed.), *Labour Sociology*, China Labour Publisher, p. 45-67 (Chinese).
24. **Jiang, Leiwen**, 1992: Chapter 5, Occupation and Occupation Selection, in Yuan Fang (ed.), *Labour Sociology*, China Labour Publisher, p82-108 (Chinese).
25. **Jiang, Leiwen**, 1992: Summary of Seminar on in-depth analysis of the Fourth Census Data, *Newsletter of China Population Association*, no. 3, p. 4-8 (Chinese).

## 5. Presentation

### 5. 1 Invited talk:

1. **Jiang L.** How COVID-19 may affect population distributions across the US states? Panel Discussion “Demography and its role in understanding the COVID-19 Crisis”, Population Research Center of Forman Christian College in collaboration with Population Council Pakistan. Nov. 24, 2020.
2. **Jiang L.** Household projection for environmental and climate change assessment. Invited talk at the International Conference and Training Workshop on Household and Living Arrangement Projections for Informed Decision-Making May 9-11, 2019, Beijing, China
3. **Jiang L.**, Multiscale Population Projections for the US Consistent with Climate Scenarios. Invited talk Population Dynamics and Environmental Change Seminar Series cohosted by Center for International Earth Science Information Network (CIESIN) at Columbia University, the CUNY Institute for Demographic Research (CIDR), the UN Population Division, and Population Council. April 30, 2019, New York City, USA.
4. **Jiang L.**, Z. Liu, M. Bell, D. Balk, B. O’Neill, M. Montgomery. Internal Migration along Urban Transition - Searching for Relational Patterns between Rural-Urban Migration and Urbanization. Invited talk at the opening ceremony of Joint Research Center on Migration, Xian Jiaotong University, Sep. 16, 2018, in Xian, China.
5. **Jiang L.** Sociodemographic modeling for environmental and climate change research. Invited talk at School of Geographic Sciences, East China Normal University. March 16, 2018, in Shanghai, China.
6. **Jiang L.** and Brian O’Neill. Subnational population projection for demographic research, presented at Federal State Cooperation for Population Projection annual meeting, in Chicago, April 26, 2017.
7. Leiwen **Jiang**, “A Global City in the changing climate system – how does Qingdao make a difference”, invited talk at the Workshop on Urbanization and Social Development, June 3, 2016, Qingdao, China.
8. Leiwen **Jiang**, “Incorporating demographic info into climate assessment models”, invited talk at Board on Atmospheric Sciences and Climate, The National Academies, Nov. 10-11, 2015, Washington DC.
9. Leiwen **Jiang**, “Global Cities in a Changing climate”, invited talk at Global City Forum, Nov. 1, 2016, Shanghai, China
10. Leiwen **Jiang**, Population dynamics and their impacts on sustainable development, presented at UN Expert Panel on “Integrating population issues into sustainable development, including in the post-2015 development agenda”, New York, Jan. 22, 2015.
11. **Jiang, L.** Demographic components of new socioeconomic scenarios for climate change research, Workshop on scenarios of US demographic change, June 23-24, 2014.
12. **Jiang, L.** Population climate change, Series lectures at Zhejiang University, July 1-9, 2014.
13. **Jang, L.** Impacts of population on climate change, Shanghai University, June 30, 2014.
14. **Jiang, L.** and R. Nawrotzki, Community Demographic Model of International Migration for multiregional global projections, Joint KNOMAD-UN Population Division Seminar on the role of migration in population modeling, April 29, 2014.
15. **Jiang, L.** Population and Climate Change, Series lectures at College of Atmospheric Sciences, Lanzhou University, Sep. 11-15, 2013.
16. **Jiang, L.**, with B. O’Neill, M. Dalton, S. Pachauri, R. Fuchs, S. KC, and K. Zigova. Demographic Change and Carbon Emissions. Invited speech at Expert Working Group on Fostering Climate-compatible Development by Meeting Unmet Need for Family Planning. Apr. 29, 2013, Washington, DC.

17. **Jiang, L.**, 2012: Demographic changes and carbon dioxide emissions. Speak at the launch of a special theme issue of The Lancet, in London, England, July 7-12.
18. **Jiang, L.**, 2012: Population and climate change. Speak at China Population Information and Research Center, Beijing, June 28.
19. **Jiang, L.**, 2012: Scenario development in climate change researches. Speak at Fudan University, Shanghai, June 1.
20. **Jiang, L.**, Brian O'Neill, Karen Hardee, Samir KC, Regina Fuchs, and Shonali Pachauri, 2012: Education, fertility decline, and climate change. Speak at the Shanghai Forum, Shanghai, May 26-28.
21. **Jiang, L.**, 2010: Population and energy consumption in China, speak at Annual Conference of the Dutch Demographic Society, on 5<sup>th</sup> November 2010, Bilthoven, the Netherlands.
22. **Jiang, L.**, 2010: Population Dynamics and Climate Change, Speak at Groningen University, Nov. 9<sup>th</sup>, 2010, Groningen, the Netherlands.
23. **Jiang, Leiwen** and Brian O'Neill, 2010: Changing population composition and its implications for climate change adaptation, presented at United Nations Population Fund (UNFPA) expert meeting on Population Dynamics and Climate Change II: Building for Adaptation, Oct. 15., Mexico City, Mexico.
24. B. O'Neill, M. Dalton, R. Fuchs, **L. Jiang** (presenter), S. Pachauri, K. Smith, K. Zigova, 2010: Demographic change and greenhouse gas emissions, presented at Working Group Meeting on Population, Family Planning and Achievement of the Millennium Development Goals, Dec. 1-3, 2010, Chapel Hill, USA.
25. **Jiang, L.**, 2009: Socioeconomic and demographic modeling in climate change research, speak at the Third Biannual NCAR Workshop on Climate and Health, July 12-17, Boulder, USA.
26. **Jiang, L.**, 2009: Population and Climate Change Initiative in Population Action International, presented at anonymous donor board meeting, July 9, Portola Valley, CA.
27. **Jiang, L.**, 2009: Demographic component in IPCC climate change modeling, United Nations Population Fund (UNFPA) expert meeting on Population and Climate Change Program, June 23-25, London, UK.
28. **Jiang, L.**, 2009: Influences of population dynamics on climate change, United Nations Population Fund (UNFPA), May 22, New York.
29. **Jiang, L.**, 2009: Population and Climate Change in, speak at **Power Shift '09**, Session on Reproductive Justice and Climate Change, Feb. 27, Washington, DC.
30. **Jiang, L.**, 2009, Household Energy Transition in India and China, speak at an expert meeting on Frontier of Research on Low-Income Energy Services, convened at Stanford University Program on Energy and Sustainable Development, in February 24-25, 2009.
31. **Jiang, L.**, 2009: Population and climate change, United Nations Foundation, March 26, Washington DC.
32. **Jiang, L.**, Population and climate change – implications for population policies, EuroNGOs 2008 Conference, Oct. 2, 2008, Lyon, France.
33. **Jiang, Leiwen**, Malea Hoepf Young, Karen Hardee (presenter): Population, urbanization and environment, Woodrow Wilson Center, September 30, Washington DC.
34. **Jiang, L.**, Population/household dynamics, energy consumption and carbon emission in the US, China and India, Policy Research Initiative, Government of Canada, Ottawa, Canada, Dec. 13, 2007.
35. **Jiang, L.**, Population and Environment in China, Bryant University, US-China Institute,

Smithfield, RI, US. Nov. 23, 2006.

36. **Jiang, L.**, Economic development, urbanization and energy consumption in China, Asia/Pacific Studies Institute, Duke University, March 24, 2006.
37. **Jiang, L.**, Population, Environment and Development in China, China's Future Challenges: The 2005-06 TILIP International Symposium Program, Feb. 24, 2006, Tufts University, Boston, US.
38. **Jiang, L.**, Brian O'Neill: Residential Energy Consumption of Rural and Urban Population in China, invited lecture at Energy, Technology Innovation Project, Kennedy School, Harvard University, April 7, 2005, Cambridge, USA.
39. **Jiang, L.**, Brian O'Neill: The Impact of Demographic Events on the US Household Formation and Dissolution, invited lecture at Vienna Institute of Demography of Austria Academy of Sciences, March 13, 2005, Vienna, Austria.
40. **Jiang, L.**: Systematic analysis of population impacts on the environment, invited lecture at Institute of Population Research, Peking University, June 25, 2003, Beijing, China.
41. **Jiang, L.**: Socio-demographic Dynamics and Housing Conditions – Evidence from China's 2000 Census, invited lecture at Population Studies and Training Center, Brown University, April 16, 2003, Providence, USA.
42. **Jiang, L.**: Development in the Methodologies of Population-Environment Relationship Studies, invited lecture at Institute of Population Research, Renmin University, March 22, 2002, Beijing, China.
43. **Jiang, L.**: Theories and Methods in the Studies of Population-Environment Interactions, invited lecture at Summer Institute for Environment Assessment and Monitoring, the Center for the Studies of Institution, Population and Environmental Changes, Indiana University, May 2000, Bloomington, USA.
44. **Jiang, L.**: Impact of Population and Household Changes on Environment, invited lecture, Asian Meta Center for Population and Sustainable Development Analysis, March, 2000, Penang, Malaysia.

## 5.2 Paper read

1. **Jiang, L.**, B. O'Neill, S. KC, R. Fuchs, S. Pachauri, E. Laidlaw, T. Zhang, W. Zhu, and X. Ren. The effect of education on determinants of climate change risks. Paper presented at Webinar: Gender, Education, and Climate Change: Reconfiguring the human-planet relationship through gender transformative education. April 22, 2020.
2. **Jiang, L.** Sexual and reproductive health needs of rural-urban migrants in the urbanizing world. Paper presented at IUSSP Panel on "Family planning, fertility and urban development: lessons from research" at the 16<sup>th</sup> International Conference on Urban Health – People Oriented Urbanisation: Transforming Cities for Health and Well-Being. Nov. 4-8, 2019, Xiamen, China.
3. **Jiang, L.** and H. Zoraghein. Subnational population projections for China, India, and the US. Paper presented at Population Association of America annual meeting, April 10-13, 2019, Austin, Texas.
4. **Jiang L.**, Z. Liu, M. Bell, D. Balk, B. O'Neill, M. Montgomery. Internal Migration along Urban Transition - Searching for Relational Patterns between Rural-Urban Migration and Urbanization. Paper presented at American Association of Geographers annual meeting, April 3-7, 2019, Washington DC.
5. **Jiang, L.** Urbanization and Sustainability, presented at Shanghai University Global City Forum, Sep. 26, 2018, Shanghai, China

6. **Jiang, L.** Hamidreza Zoraghein, Brian O’Neill, Xu Shuqiang, Liu Shenghe, Qi Wei, Subnational urbanization projections for provinces of China. Presented at the 4<sup>th</sup> Asian Population Association Conference, July 11-14, 2018. Shanghai, China.
7. **Jiang, L.** Hamidreza Zoraghein, Brian O’Neill, and Jing Gao. Consistent population scaling for integrated assessment of environmental change – Spatial population projections for the US states based on gridded population datasets. Presented at the 4<sup>th</sup> Asian Population Association Conference, July 11-14, 2018. Shanghai, China.
8. Liangliang Sun, Xi Chen, Guy Abel, and **L. Jiang**. Chinese demographers in international communities of population studies – based on analysis of publications in major scientific journals. Presented at the 4<sup>th</sup> Asian Population Association Conference, July 11-14, 2018. Shanghai, China.
9. **Jiang, L.**, Hamidreza Zoraghein, Brian O’Neill, and Jing Gao. Consistent population scaling for integrated assessment of environmental change – Spatial population projections for the US states based on gridded population datasets. Presented at European Population Conference 2018. June 6-9, 2018. Brussels, Belgium.
10. Erich Striessnig, Jing Gao, Brian O’Neill and **L. Jiang**, Spatial projections of age-structured populations. Presented at European Population Conference 2018. June 6-9, 2018. Brussels, Belgium.
11. **Jiang, L.**, Hamidreza Zoraghein, Brian O’Neill, and Jing Gao. Consistent population scaling for integrated assessment of environmental change. Presented at Population Association of America (PAA) annual meeting. April 26-28, 2018. Denver, USA.
12. **Jiang, L.** and B. O’Neill. Determinants of urban growth during demographic and mobility transitions: evidence from India, Mexico, and the US. Presented at Population Association of America (PAA) annual meeting. April 26-28, 2018. Denver, USA.
13. **Jiang, L.** and Anping Chen. Urbanization, migration and vegetation coverage in China, Present at International Union for Scientific Studies of Population. Oct 29-Nov. 4, Cape Town, South Africa.
14. **Jiang L.** and H. Zoraghein, Urbanization projections for subnational regions of China and the US. Present at International Union for Scientific Studies of Population. Oct 29-Nov. 4, Cape Town, South Africa.
15. B. O’Neill, **L. Jiang**, S. KC, R. Fuchs, S. Pachauri, E. Laidlaw, T. Zhang, W. Zhou, X. Ren, The effect of education on climate change risks, Present at International Union for Scientific Studies of Population. Oct 29-Nov. 4, Cape Town, South Africa.
16. **L. Jiang**, Z. Liu, M. Bell, D. Balk, B. O’Neill, M. Montgomery, Internal Migration with urbanization along One-Belt-One-Road. Presented at Asian Population Association Scientific Group Workshop on OBOR Strategy and It’s Implication for International Migration and Socioecological Change, Oct. 10-11, 2017, Shanghai, China.
17. **L. Jiang**, Z. Liu, M. Bell, D. Balk, B. O’Neill, M. Montgomery, Internal Migration with urbanization along One-Belt-One-Road. Presented at China Sociology Association annual meeting July 15, 2017.
18. **Jiang L.** and H. Zoraghein, Urbanization projections for the provinces of China, presented at workshop “Population censuses and demographic methods” on June 17-18, 2017 in XiAn, China

19. **Jiang, L.**, Z. Liu, D. Balk, M. Montgomery, B. O'Neill, The urbanization pathways and urbanward migration along One-Belt-One-Road, presented at Shanghai Forum, May 27, 2017, Shanghai.
20. **Jiang, L.** and Anping Chen. Urbanization, migration and vegetation coverage in China, paper presented at Population Association of America annual meeting, in Chicago, April 26, 2017.
21. Jones, B., D. Balk, and **L. Jiang**. A spatial method for estimating rural-urban population reclassification. paper presented at Population Association of America annual meeting, in Chicago, April 26, 2017.
22. **Jiang, L.**, International migration in NCAR Community Demographic Model (CDM), invited talk at Workshop on Data and Methods for Modeling Migration Associated With Climate Change, organized by Columbia University, Science Po, and in Paris Dec. 5-6, 2016.
23. **Jiang, L.**, Population growth, urbanization and future wildfire risks, invited talk at Wittgenstein Conference 2016: Variations on the Themes of Wolfgang Lutz, Vienna, Dec. 5-7, 2016.
24. **Jiang, L.**, Demographic dynamics and wildfire risks, talk at the Shanghai Population Association annual meeting, Shanghai, Nov. 19, 2016.
25. **Jiang, L.**, "State, Progress, and Gaps in Asian Population Research", presented at Asian Population Forum, Shanghai, China, Oct. 10, 2016.
26. Tiantian Zhang, Emily Laidlaw, Zhou Wei, **L. Jiang**, "Changing Income and Consumption Patterns of Asian Population - Comparative Analysis of Household Survey Data in China, India, Korea, and Nepal", presented at Asian Population Forum, Shanghai, China, Oct. 11, 2016.
27. **Jiang, L.** and Yuzhao Liu, "Internal Migration in the New Era of Urbanization of China", presented at European Population Conference, Mainz, Germany, Aug. 31, 2016.
28. **Jiang, L.**, W. Knorr and A. Arneth, "Population growth, urbanization and wildfire risks", presented at European Population Conference, Mainz, Germany, Aug. 31, 2016.
29. **Jiang, L.** and Brian O'Neill, "Demographic Determinants of Urban Growth in India, Mexico, and the US", Population Association of America annual meeting, March 30 – April 2, 2016, Washington DC
30. **Jiang, L.**, W. Knorr and A. Arneth, "Population growth, urbanization and wildfire risks", Population Association of America annual meeting, March 30 – April 2, 2016, Washington DC, received best poster award
31. **Jiang, L.**, "The heterogeneity of urbanization patterns and carbon emissions", the 3<sup>rd</sup> Asian Population Association Conference, July 26-31, Kuala Lumpur, Malaysia
32. **Jiang, L.**, Zhou W., E. Laidlaw, Zhang T., "Comparative analysis of income and consumption patterns between China, India, Korea and Nepal", China Sociology Association annual meeting, July 10-13, 2015, Changsha, China
33. **Jiang, L.** The heterogeneity of urbanization and carbon emissions, presented at workshop on Aging, health, urbanization and environment. Zhejiang University, Oct. 9-11, 2014.
34. **Jiang, L.** and B. O'Neill, Global alternative long-term urbanization projections, presented at Annual Meeting of Population Association of America, April 30-May 2, 2014.
35. Nawroztki, R. and **L. Jiang**, The community demographic model international migration datasets, poster at Annual Meeting of Population Association of America, April 30-May 2, 2014.

36. **Jiang, L.** Population and Climate Change, Series lectures at College of Atmospheric Sciences, Lanzhou University, Sep. 11-15, 2013.
37. **Jiang, L.** Application of household survey data to integrated assessment modeling analysis of energy consumption and carbon emissions. Presented at the Annual Meeting on Social Survey, Sep. 5, 2013, Peking University.
38. **Jiang, L.** A new generation of socioeconomic scenarios for climate change research. Presented at International Union for Scientific Studies of Population Conference, Aug. 26-31, 2013, Busan, Korea.
39. **Jiang, L.** and K. Hardee. Women's education, family planning, or both? – application of multistate demographic projection in India. Poster Session at International Union for Scientific Studies of Population Conference, Aug. 26-31, 2013, Busan, Korea.
40. **Jiang, L.** and B. O'Neill. Impacts of urbanization – a key elements of socioeconomic scenarios for climate change research. Poster Session of the 18<sup>th</sup> Annual CESM Workshop on 17-20 June 2013, Breckenridge, USA.
41. **Jiang, L.** Population Dynamics & Climate Change: Modeling the Connections. Lecture at Environmental Demography Summer Short Course, June 13-14 2013. Institute of Behavioral Science, Colorado University at Boulder.
42. **Jiang, L.** and B.C. O'Neill. Impacts of urbanization as a key element of socioeconomic scenarios for climate change research: historical experiences and future trends. Presented at annual meeting of Population Association of America. New Orleans, April 10-14, 2013.
43. **Jiang, L.** and B.C. O'Neill. Urbanization projections for use in Shared Socioeconomic Pathways (SSPs) and consistency test with other basic elements of SSPs. Presented at IUSSP Seminar on Population Dynamics and the Human Dimensions of Climate Change. Canberra, Australia, 27-29 November, 2012.
44. **Jiang, L.** and B.C. O'Neill. Urbanization Scenarios. Presented at meeting on Socioeconomic Pathways for Climate Change Research, The Hague, Netherlands. May 14-16, 2012.
45. **Jiang, L.** and B.C. O'Neill: Urbanization in developing Asia: alternative scenarios and implications for rural-urban migration. Presented at Seminar on Internal Migration and Urbanization and their Socioeconomic Impacts in Developing Countries: Challenges and Policy Responses, Fuzhou, China, 10-12 Dec. 2011.
46. **Jiang, L.** Determinants of China fertility in the future decades. Presented at the workshop 'The likely future developments of fertility in low-fertility countries. Vienna, Austria. Dec. 2, 2011.
47. **Jiang, L.** and B.C. O'Neill. New urbanization projections for use in socioeconomic scenario development. Presented at meeting on The Nature and Use of New Socioeconomic Pathways for Climate Change Research. Boulder, Nov. 2-4, 2011
48. B. O'Neill, R. Fuchs, **L. Jiang** (presenter), S. KC, and S. Pachauri, 2011: The effects of education on future energy demand and carbon emissions, presented at Population Association of America, April 30-May 2, 2011, Washington DC, USA.
49. **Jiang, L.**, 2009: Urbanization, energy consumption and climate change. Presented at Population Association of America, April 30-May 2, 2009, Detroit, US.
50. O'Neill, B., M. Dalton, R. Fuchs, **L. Jiang** (presenter), S. Pachauri, K. Zigova, 2009: The Influence of future demographic change on global greenhouse gas emissions. Paper presented at the 7<sup>th</sup> International Sciences Conference on the Human Dimensions of Global Environmental Change, 26-30 April 2009, Bonn, Germany.

51. Pachauri, Shonali (presenter) and **L. Jiang**, 2009: Urbanization and household energy choices in developing countries. Paper presented at the 7<sup>th</sup> International Sciences Conference on the Human Dimensions of Global Environmental Change, 26-30 April 2009, Bonn, Germany.
52. **Jiang, L.** and Shenghe Liu, 2009: Social segregation and integration in Peri-urban region of globalizing China. Paper presented at the 7<sup>th</sup> International Sciences Conference on the Human Dimensions of Global Environmental Change, 26-30 April 2009, Bonn, Germany.
53. **Jiang, L.**, 2009: Urbanization, energy consumption and climate change. Paper presented at Association of American Geographers Annual Meeting, March 22-27, Las Vegas.
54. **Jiang, L.** and Michael White, 2008: Migration, urbanization and spatial dispersion in China, paper presented at the Population Association of America annual meeting, New Orleans, April 30, 2008.
55. Dalton, M., **Jiang, L.**, Pachauri, S., and B.C., O'Neill. 2007, Demographic change and future carbon emissions in China and India. Presented at Population Association of America, March 28-31, New York.
56. **Jiang, L.** and Brian O'Neill, 2007: Projecting US household changes with a new household model. Presented at Population Association of America, March 28-31, New York.
57. **Jiang, L.**, 2006: The impact of urbanization on energy use in China, presented at the 3<sup>rd</sup> Beijing Forum, Beijing, Oct. 27-30.
58. **Jiang, L.** and Brian O'Neill, 2005: urbanization and residential energy consumption in China, presented at the 6<sup>th</sup> Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Bonn Germany, Oct. 9-13.
59. **Jiang, L.**, Tong Yufen and Zhaozhijie, 2005: Water, land resources and population dynamics in Tarim River Basin in Xinjiang of China, presented at the 6<sup>th</sup> Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Bonn Germany, Oct. 9-13.
60. Huang, Qian, Zhao Zhijie and **L. Jiang**, 2005: Monitoring and assessment of the impacts of water management on land use in the downstream of Tarim River Basin, presented at the 6<sup>th</sup> Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Bonn Germany, Oct. 9-13.
61. **Jiang, L.**, Tong Yufen, Zhao Zhijie and Li Tianhong, 2005: Population migration and land degradation in Tarim River Basin, presented at International Workshop "Research on Population, Resources and Environment", Beijing-Xinjiang, China, Aug. 11-18.
62. **Jiang, L.** and Brian O'Neill, 2005: Population change, economic growth and residential energy use in China, presented at 2005 IUSSP conference, July 18-23, Tours, France.
63. Dalton, Michael, Brian O'Neill, **Leiwen Jiang**, and John Pitkin, 2005: Households, consumption, and energy use: population age structure and future carbon emissions for the United States, presented at annual meeting of Population Association of America, March 31-April 3, Philadelphia, US.
64. **Jiang, L.** 2004: Housing condition of floating population in urban China, presented at the conference "China's migrants and urbanization", organized by China Association of Population Studies, June 16, Beijing, China.
65. **Jiang, L.**, Tong Yufen, Zhao Zhijie, Li Tianhong, Liao Jianhua, 2004: Water resources, land exploitation and population dynamics in arid areas – the case of Tarim River Basin in Xinjiang of China, Paper presented at annual meeting of Population Association of America, April 30 – May 2, Boston, US.
66. **Jiang, L.**, 2004: Living condition of floating population in urban China, Paper presented at annual meeting of Population Association of America, April 30 – May 2, Boston, US.

67. **Jiang, L.**, Tong Yufen, Zhao Zhijie, Li Tianhong, Han Wei, 2003: Impacts of Population Migration on Land Degradation in Tarim River Basin, Xinjiang of China, paper presented annual meeting of Population Association of America, May 1-3, Minneapolis, US.
68. Alexia Fuernkranz-Prskawetz, **L. Jiang** and Brian O'Neill, 2003: Future household transportation demand: a comparative analysis of the US and Austria, poster session at annual meeting of Population Association of America, May 1-3, Minneapolis, US.
69. Zhou Qiong, Ren Qiang and **L. Jiang**, 2003: Family and household transition in China, paper present at annual meeting of Population Association of America, May 1-3, Minneapolis, US.
70. Pang Lihua and **L. Jiang**, 2003: Migration and housing condition in China, paper presented at Conference on Scientific Study of China 5<sup>th</sup> Census, March 28-31, Beijing, China.
71. Cai Tianji, **L. Jiang** and Ren Qiang, 2003: Housing arrangement and elderly support, paper presented at Conference on Scientific Study of China 5<sup>th</sup> Census, March 28-31, Beijing, China.
72. **Jiang, Leiwen**, 2002: On the possibility of probabilistic household projection, paper presented at workshop "How to deal with uncertainty in population forecasting?" organized by Vienna Institute for Demography and International Institute for Applied Systems Analysis, Vienna, December 12-14.
73. **Jiang, L.** and Guo Youde, 2002: Projection of human capital for China 2000-2050, presented at Workshop on "Projections of Human Capital", organized by Asia MetaCentre for Population and Sustainable Development, Population College of Population Studies, Chulalongkorn University in Bangkok, 7-18 October.
74. **Jiang, L.**, 2002: Has China completed demographic transition, paper presented at IUSSP Regional Conference, in Session 2: Fertility Trends and Prospects, 10-13 June, Bangkok, Thailand.
75. Alexia Fuernkranz, **L. Jiang**, and Brian O'Neill, 2002: Demographic Composition and Projections of Car Use in Austria, presented at Population Association of America annual meeting, Atlanta Georgia, May 9-11.
76. **Jiang, L.**, 2002: Demographic transition in China, paper presented at Fertility Decline, Below Replacement Fertility and the Family in Asia: Prospects, Consequences and Policies, organized by Asian MetaCentre, National University of Singapore, 10-12 April.
77. **Jiang, L.**, 2001: On the differential fertility of Chinese oldest old, paper presented at International Seminar on Healthy Longevity in China, jointly organized by Healthy Longevity and Aging Committee of IUSSP, the Center for the Studies of Healthy Aging and Family, Peking University, and Chinese Association for Population Studies, October 25, Beijing, China.
78. **Jiang, L.**, 2001: Application of remote sensing sciences in demographic studies, paper presented at the First Seminar of 21<sup>st</sup> Century on Scientific Study of Population, jointly organized by the Institute of Population Research, Renmin University and Chinese Association of Population Studies. October 17-19, Beijing.
79. Alexia Prskawetz, **Leiwen Jiang**, Brian C. O'Neill, 2001: Demographic changes and future car use in Austria, paper presented at International Union for Scientific Study of Population (IUSSP) general conference, Salvador, Brazil, August 18-24.
80. Brian O'Neill, **Leiwen Jiang** and Alexia Prskawetz, 2001: Aging, changes in household characteristics and energy use, presented at open meeting of the Human Dimensions of Global Environmental Changes Research Community, Rio de Janeiro, Oct. 6-8.
81. **Jiang, Leiwen**, A. Prskawetz, and Brian O'Neill, 2001: Demographic changes and future car use in Austria, paper presented at "the second workshop on population and environment: simulating and

modeling this complex interactions”, organized by Max Planck Institute for Demographic Research, Rostock, Germany, May 18 – 24.

82. **Jiang, L.**, 2001: Studies of fertility of Chinese oldest old, paper presented at workshop on Healthy Aging of Chinese Oldest Old, jointly organized by the Institute of Population Research, Peking University, March 2-4, Beijing.

83. **Jiang, L.**, 2001: Population, Development and Environment, paper presented at seminar “China in Transition: Population and Society Issues”, organized by French National Institute for Demographic Research, January 30 – February 2, Paris.

84. **Jiang, L.**, 2001: Population migration and land degradation in Xinjiang, China, paper presented at workshop “population and sustainable development”, held by Advanced Study Center of Singapore National University, February 3 – 6, 2001, Singapore.

85. **Jiang, L.** 2000: Household Change and Environment, paper presented at Annual meeting of International Association for the Study of Common Property, Indiana University, June 2-7, Bloomington, US.

86. **Jiang, L.** 2000: Effects of Household Change on Environment – with Illustrative Simulations in Two Regions of China, paper presented at workshop on “Population and Environment: Methods of Analysis”, April 10-11, Penang, Malaysia.

87. **Jiang, Leiwen** and A. Kuijsten, 1999: Urbanization and Temporary Population in China, paper presented at Chaire Quetelet 1999 “Populations and Urban Challenges”, Oct. 26-29, Louvain-la-Neuve, Belgium.

88. **Jiang, Leiwen** and A. Kuijsten, 1999: Household Projections for Two Regions of China, paper presented at European Population Conference 1999, Aug. 31-Sept. 4, Den Hague, the Netherlands.

89. **Jiang, Leiwen** and A. Kuijsten, 1999: Effects of Changing Households on Environment – case studies in two regions of China, paper presented at the workshop “Population and Environment”, Max Planck Institute for Demographic Research, August 12-14, Rostock, Germany.

90. **Jiang, L.**, 1996: On Population Growth and Land Use, paper presented at International Symposium “Resources, Environment and Sustainable Development in North-East Asia and Its Adjacent Regions”, August 7-10, Shenyang, China.

91. **Jiang, L.**, 1996: What Do We Know about Social-Cultural Research and Population Policy Formulation in China, paper presented at Asian Regional Director Meeting for Project (UNESCO) "Socio-Cultural Factors Affecting Demographic Behavior and Implications for the Formulation and Execution of Population Policies and Programmes", March 15-23, Bangkok, Thailand.

92. **Jiang, Leiwen**, 1994: Male participation in family planning, paper presented at International Symposium on Reproduction, Sex, Ethics and Women Rights – the Feminist Perspectives, Feb. 25- March 1, Beijing.

93. **Jiang, L.**, 1993: Demographic and sociological perspectives on STDs prevalence, International Experts Symposium on Prevalence of and Countermeasures against STDs, Beijing, March.

94. **Jiang, Leiwen** and Zheng Xiaoying, 1992: Social determinants of psychological pressure of induced abortion on women, paper presented at Social Scientific Studies on Reproductive Health, Chengdu, September 8-12.

95. Cai Wenmei and **Leiwen Jiang**, 1992: Comparative Study of Population Distribution and Age Structure in China and India", paper accepted by the 22nd International Union for the Scientific Study of Population (IUSSP), Montreal, Canada, Oct.

## **Grants**

10/2019-10/2020

Demographic Projection for Integrated Multi-sector, Multi-scale modeling (IM3) Scientific Focus Area

Department of Energy (Subcontract through University of Denver)

Total amount: \$160,000

Role: PI

10/2018 – 09/2020

Leadership for Ecozoic (L4E)

the Fidelity Charitable Gift Fund

Total amount: \$500,000

Role: PI

1/2017-12/2021

International Migration under One-Belt-One-Road Initiative

China National Social Sciences Foundation (National Key Project)

Total amount: 800,000 RMB

Role: PI

10/2016 – 9/2019

Integrated Multi-sector, Multi-scale modeling (IM3) Scientific Focus Area

Department of Energy

Role: Co-Investigator with I. Kraucunas

1/2015-3/2018

Multi-scale Processes Affecting Spatial Population Distribution

National Science Foundation

Role: Co-Investigator with Deborah Balk

9/2012-8/2015

Demographic Tools for climate change and environmental assessments

Department of Energy

Role: Co-PI with Brian O'Neill

1/2013-12/2017

Mechanisms, predictability, prediction, and regional and societal impacts of decadal climate variability

National Science Foundation

Role: Co-PI with Gokhan Danabasoglu

6/2009-8/2009

Projection of Population by Education Attainment in India

International Food Policy Research Institute

Total Amount: \$200,000

Role: PI

2/2008-2/2009

Population and Climate Change

Hewlett Foundation

Role: Co-Investigator with Brian O'Neill

1/1/2005-12/31/2009

Demography, uncertainty, and learning in integrated assessment models of climate change.

European Young Investigator (EURYI) Award, European Science Foundation

Role: Co-Investigator with Brian O'Neill

9/1/2006-5/31/2009

Integrated dynamic global modeling of land use, energy, and economic growth

Department of Energy

Role: Co-PI with Atul Jain

1/1/2005-12/31/2007

Multi-regional and Probabilistic Population and Human Capital Projection for China

China National Science Foundation

Total Amount: 400,000 RMB

Role: PI

2008

Population and Climate Change

Compton Foundation

Role: Co-investigator with Brian O'Neill

6/1/2002-12/1/2005

Population Change and Land Degradation in Xinjiang of China

Wellcome Trust Foundation

Total Amount: 2,000,000 RMB

Role: PI

9/1/2002-9/30/2005

Households, consumption, and energy use: The role of demographic change in future U.S. greenhouse gas emissions

U.S. Environmental Protection Agency

Role: Co-Investigator with Brian O'Neill

9/1/2001-4/15/2005

Improving demographic components of integrated assessment models

U.S. Department of Energy

Role: Co-Investigator with Brian O'Neill

2/1/2002-2/1/2005

China Future Population and Household Changes and Its Environmental Impacts.

China Ministry of Education

Total Amount: 100,000 RMB

Role: PI

6/1/2002-6/1/2004

Study on the Impacts of Population and Household Changes on Housing Condition

National Key Project/China National Census Office

Total Amount: 150,000 RMB

Role: PI

3/1/2002-9/1/2003

Photovoltaic System Application and Environmental Implications in Northwest China

World Bank

Total Amount: \$ 150,000

Role: PI

#### **Honors and Awards**

1. Best Poster Award, Population Association of America Annual Meeting, 2019
2. Best paper award (social sciences), Shanghai University, 2019
3. Medal for Distinguished Contribution to Asian Population Association, 2018
4. Highest academic achievement award, Shanghai University, 2017
5. Best Poster Award, Population Association of America Annual Meeting, 2015
6. Highest academic achievement award of China Population Association, 2002
7. Research Fellowship of Zhongliu Himalaya Foundation, 2002
8. Highest academic achievement award of Peking University, 2001
9. Summer Faculty Fellowship, Indiana University, 2000
10. Population Council Scholarship for PhD students of the year, 1997-1998
11. Fellowship of Ma YinChu Scientific Foundation for Population Studies, 1996
12. An Tai Scholarship, Peking University, 1996
13. Second Prize of the 1<sup>st</sup> Scientific Research Achievement Award of China Population Association, 1993
14. Yan Jingyao Scholarship for Sociological Studies, Peking University, 1990