



ADRI

Asian Demographic Research Institute
上海大学亚洲人口研究中心暨人口研究所

The Fourth Asian Population Forum

Demographic Methods and Models in Global and Local Development Research

**Host: Asian Demographic Research Institute
(ADRI) at Shanghai University
In Collaboration with International Institute for
Applied Systems Analysis (IIASA)**

**Venue: Siyuan Hall, Lehu Hotel, Shanghai University
No. 716 Jinqiu Rd., Shanghai, China**

October 29-31, 2025

October 28, 2025

2:00 pm –
8:00 pm

Registration
Lehu Hotel Building No. 1 Lobby

October 29, 2025

8:00 am – 9:00
am

Registration
Lehu Hotel Building No. 2 Lobby

Opening Session

Chair: Leiwen Jiang (Shanghai University)

9:00 am –
9:20 am

Welcome Remarks by

- **LIU Changsheng**, President of Shanghai University
- **John Wilmoth**, Director, UN Population Division
- **ZHANG Yiwei**, National Natural Science Foundation

9:20 am –
10:20 am

Revisiting global urbanization: What's new in World Urbanization Prospects 2025?
John Wilmoth (UN Population Division)

China Population and Development Research Center (CPDRC) in Global and China Development Policy-Making
Dan He (China Population and Development Research Center, CPDRC)

10:20 am –
10:40 am

Group photo and coffee break

Session 1: Urbanization and Spatial Demographic Analysis

Chair: Yu Zhu (Shanghai University)

10:40 am –
12:15 pm

Advancing the World Urbanization Prospects with GHSL-Based Data and Methods Using Projections Extending to 2100

Michele Melchiorri (European Commission)

The Degree of Urbanization: A Global People-Based Definition of Cities and Settlements

Marcello Schiavina (European Commission)

Demographic Determinants of Urban Change: Evidence from

Census Microdata and Satellite Data

Zhen Liu (Zhejiang University)

Demographic shift and urban dynamics in Sri Lanka

Sunethra Jayathilake Perera Ellawala Liyanage

(University of Colombo, Sri Lanka)

Rural–Urban Transition in Kerala: A Spatial Analysis of Districts and Blocks

Ajith Kaliyath(Institute of Local Administration, India)

12:15 pm –

2:00 pm

Lunch break

Lehe Dining Hall, Lehu Hotel

Session 2: Fertility Transitions and Development Linkages

Chair: Baochang Gu (Shanghai University and Fudan University)

Understanding Contemporary Fertility in China: A Multidimensional Analysis

Cuiling Zhang (China Population and Development Research Center, CPDRC)

The Value of Children and Fertility Desire in the Low Fertility Regime

Juhua Yang (Minzu University of China)

2:00 pm –

3:40 pm

How Educational Involution Inhibits Fertility: Evidence from Family Educational Resource Investment

Xueyan Yang (Xi'an Jiaotong University)

Rebounds of Fertility Rate in Post-Transitional Countries and Potential Determinants

Jianlin Niu(Chinese Academy of Social Sciences)

Shanghai at the Forefront: Unpacking the Second Demographic Transition in China's Urban Future

Rong Chen (Shanghai University)

3:40 pm –

3:50 pm

Coffee Break

Session 3: Innovations in Demographic Methods and Projections

Chair: Ke Shen (Fudan University)

3:50 pm –

5:30 pm

Multi-dimensional Demography Offers a More Optimistic Outlook for Aging Populations

Wolfgang Lutz (IIASA and Shanghai University)



	Projecting Households under the Shared Socioeconomic Pathways Using a Life Course Approach Carlos Orlando Olaya-Bucaro (IIASA)
	Dynamic Simulation and Optimization of Education Resource Supply and Demand Based on Demographic Quantitative Methods Ruijun Wu (East China Normal University)
	Impacts of Political, Socioeconomic, and Environmental Factors on Depopulation and Future Dynamics in Nepal (1971–2051) Samir KC (IIASA and Shanghai University)
	Rural–Urban Differentials and Population Projection in Nepal Jibesh Acharya (Population and Statistics Research Hub Pvt. Ltd)
6:00 pm	Dinner Lehe Dining Hall, Lehu Hotel

October 30, 2025

Session 4: Health and Well-being in Aging Societies

Chair: Oh Seok Kim (Korea University)

8:30 am – 10:10 am	Higher chance of dying at 73 or 84? A cross-country examination Tianji Cai (Macau University)
	Implementing digital health innovation for cardiovascular disease prevention and management in aging populations Lijing Yan (Duke Kunshan University)
	China’s population ageing and smart elderly care Qiang Li (Fudan University)
	A matter of survival: Re-examining the paradox of aging using happy life expectancy and healthy life expectancy Yan Liu (Shanghai University)

	A walk-up generation grows old: Elevator Absence and Late-Life Health in Urban China Chen Bi (Sun Yat-Sen University)
10:10 am – 10:20 am	<i>Coffee break</i>
Session 5: Demographic Aging – Challenges and Policy Frontier Chair: Tianji Cai (Macau University)	
10:20 am – 12:00 pm	The impact of China's population aging on the financing of public insurance programs and policy options Xuejin Zuo (Shanghai Academy of Social Sciences)
	Model innovation and institutional optimization: A demographic approach to the implementation of progressive delayed retirement policy Hong Mi (Zhejiang University)
	When abundance ends: Economic transformation, population aging, and shrinking lifecycle surplus in China, 2002–2022 Ke Shen (Fudan University)
	Is raising the retirement age the solution to China's ageing population? Evidence from a dynamic CGE model Xiujian Peng (Victoria University)
12:00 pm- 1:50 pm	Impact of compound heat and precipitation extremes on mortality risk among the elderly Yan Wei (Xi'an University of Finance and Economics)
	<i>Lunch break</i> Lehe Dining Hall, Lehu Hotel
Session 6: Special Session under the Scientific Group of Asian Population Association – Climate Risks and Acceleration of Population Implosion in East Asia Chair: Doo-Sub Kim (Hanyang University)	
1:50 pm – 3:50 pm	The population implosion: reshaping heat exposure and vulnerability in South Korea Oh Seok Kim (Korea University)
	Climate change and managed retreat in China: projection and future planning

	Ruishan Chen (Shanghai Jiaotong University)
	Towards a research agenda for global population decline: Introducing the concept of depopulation vanguard countries
	Peter Matanle (The University of Sheffield)
	Linking spatially uneven population aging to heatstroke mortality in Japan (1995–2022)
	Kaoru Kakinuma (Tahoku University)
	Compounding associations of air pollution and climate change with later-life cognitive health in China’s older adults
	Kai Hu (East China University of Science and Technology)
	The invisible risk: Spatiotemporal hotspots of population exposure to ground-level ozone in a megacity using exploratory spatial data analysis
	Geunho Choi (Korea University)
3:50 pm – 4:00 pm	<i>Coffee break</i>

Session 7: Population Dynamics and Development Outcomes

Chair: Ruishan Chen (Shanghai Jiaotong University)

	Climate change, multidimensional poverty and child health outcomes
	Michael Kuhn (IIASA)
	Demography as destiny: Youth bulge, unemployment and political unrest in Bangladesh
	Sajeda Amin (Population Council, USA)
4:00 pm – 5:50 pm	Subnational and spatial disparities in civil registration and vital statistics: Efficiency in urbanized and remote areas of Malaysia
	Siow Li Lai (Universiti Malaya)
	Children returning to their mothers’ homeland for study: Focused on the conditional effects of their mothers’ native language
	Doo-Sub Kim (Hanyang University)
	Population behavior and environmental sustainability: Lessons from bottled water consumption in China
	Dunfu Zhang (Shanghai University)



6:00 pm

Dinner

Lehe Dining Hall, Lehu Hotel

October 31, 2025***Session 8: Demography in Development Research***

Chair: Samir KC (IIASA and Shanghai University)

8:30 am –
9:20 am

UN World Population Prospects and Population Division's demographic work in global assessment and development planning

Patrick Gerland (UN Population Division)

Demographic data and modeling in global development goals research

Leiwen Jiang (Shanghai University)9:20 am –
9:30 am***Coffee break******Session 9: Advances in Migration and Human Capital Analysis***

Chair: Sajeda Amin (Population Council, USA)

9:30 am –
11:50 am

Advances in quantifying global international migration flows

Guy Abel (Hong Kong University)

Population migration and machine learning

Wei Qi(Chinese Academy of Sciences)

Examining hiring discrimination through direct signaling: A correspondence study in the Thai labour market

Pattaphol Yuktadatta (Mahidol University, Thailand)

Mechanisms of brain gain in origin regions during China's internal migration

Ren Yuan (Fudan University)

Disaggregating the invisible: Unlocking large data to advance Asian American health

Bei Wu (New York University, Shanghai)

Urbanization and health in China: A multilevel analysis of community-level drivers and individual-level mediators



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	Jinjing Wu (Shanghai University) Population and human capital dynamics in China and its sub-national level (2020–2050) Yingji Wu (Shanghai University)
11:50 am – 12:10 pm	<i>Closing Session</i>
12:10 pm	<i>Lunch break</i> Lehe Dining Hall, Lehu Hotel

Appendix: Participants

(Names are listed in alphabetical order)

Name	Institute
Ajith Kaliyath	Institute of Local Administration (KILA), India
Amr Abdelwahed	Huaqiao University
Baochang Gu	Shanghai University
Bei Wu	New York University, Shanghai
Carlos Orlando Olaya Bucaro	International Institute for Applied Systems Analysis (IIASA)
Chen Bi	Sun Yat-Sen University
Chen Chen	Shanghai University
Cuiling Zhang	China Population and Development Research Center
Dan He	China Population and Development Research Center
Doo-Sub Kim	Hanyang University, Korea
Dunfu Zhang	Shanghai University
Geunho Choi	Korea University, Korea
Guangyu Zhang	United Nations Population Division
Guy Abel	The University of Hong Kong
Haibin Xia	East China Normal University
Haohao Li	Renmin University
Hong Mi	Zhejiang University
Kai Hu	East China University of Science and Technology
Ke Shen	Fudan University
Jianlin Niu	Chinese Academy of Social Sciences
Jibesh Acharya	Population and Statistics Research Hub Pvt. Ltd, Nepal
Jinjing Wu	Shanghai University
John Wilmoth	United Nations Population Division
Juhua Yang	Minzu University of China
Junlei Yuan	China Population and Development Research Center
Kaoru Kakinuma	Tahoku University, Japan

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Leiwen Jiang	Shanghai University
Lijing Yan	Duke Kunshan University
Maqsood Sadiq Tabassum	Population Council, Pakistan
Marcello Schiavina	European Commission
Michael Kuhn	IIASA, Austria
Michele Melchiorri	European Commission
Muhammad Khalil	Population Council, Pakistan
Oh Seok Kim	Korea University, Korea
Patrick Gerland	United Nations Population Division
Pattaphol Yuktadatta	Mahidol University, Thailand
Paul Yip	The University of Hong Kong
Peter Matanle	The University of Sheffield, UK
Qiang Li	Fudan University
Rong Chen	Shanghai University
Ruijun Wu	East China Normal University
Ruishan Chen	Shanghai Jiaotong University
Sajeda Amin	Sajeda Foundation, Bangladesh
Samir KC	IIASA and Shanghai University
Siow Li Lai	Universiti Malaya, Malaysia
Sunethra Jayathilake Perera Ellawala Liyanage	University of Colombo, Sri Lanka
Tianji Cai	The University of Macau
Wei Qi	Chinese Academy of Sciences
Wolfgang Lutz	IIASA and Shanghai University
Xiujian Peng	Victoria University, Australia
Xuejin Zuo	Shanghai Academy of Social Sciences
Xueyan Yang	Xi'an Jiaotong University
Xuying Zhang	China Population and Development Research Center
Yan Liu	Shanghai University
Yan Wei	Xi'an University of Finance and Economics

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Yichao Li	Shanghai Administration Institute
Yingan Wang	China Population and Development Research Center
Yingji Wu	Shanghai University
Yu Zhu	Shanghai University
Yuan Ren	Fudan University
Zhen Liu	Zhejiang University