



ADB–ADBI Conference on the Asian Economic Integration Report 2019 Theme Chapter:

Demographic Changes, Productivity, and the Role of Technology

Conference Room No. 405, Akasaka Intercity, Tokyo, Japan
13–14 June 2019

Key Thematic Issues

Population aging and technological change are two megatrends shaping labor markets in the Asia and Pacific region, home to the world's fastest-growing economies. Aging and demographic change have profound effects on productivity, while new technologies are rapidly transforming the nature of work and the workplace. We are increasingly aware of these fundamental transitions through a growing literature on each of these trends, but less known is the nexus between demography and technology and how they interact and affect growth. Population aging is often blamed for productivity stagnation, but anticipation of the arrival of an aging society can prompt investment in labor-saving and productivity-enhancing technologies. Longevity and longer working life encourage human capital investment, and increased availability of a mature and experienced workforce can complement technology.

The 2019 Asian Economic Integration Report theme chapter explores the role and potential of technology in boosting the productivity of an aging economy. The theme chapter discusses how countries in the region can best promote and adopt innovations that can turn demographic challenges into opportunities and dividends. It asks the following questions:

- (i) What are the implications of demographic changes and workforce aging for productivity, economic growth, and jobs in Asia and the Pacific?
- (ii) What can new technologies offer to sustain and boost productivity while workforces age and contract?
- (iii) What are the effective strategies to promote and adopt technological innovations that leverage longevity?
- (iv) Can technology also help countries whose young workforce is still increasing to reap a second demographic dividend?
- (v) How can regional cooperation be leveraged to help prepare for demographic transition in Asia and the Pacific?

This conference will serve as a venue to present the preliminary findings of the study and discuss policy implications with experts and policy makers from the region.

Note: ADB recognizes “Hong Kong” as Hong Kong, China and “Korea” as the Republic of Korea.

DRAFT AGENDA

(as of 11 June 2019, *subject to change*)

DAY 1: Thursday, 13 June 2019

9:00 a.m. – 9:30 a.m. Registration

Opening Session

9:30 a.m. – 9:35 a.m. **Welcoming Remarks**
Naoyuki Yoshino, Dean, Asian Development Bank Institute (ADBI)

9:35 a.m. – 9:40 a.m. **Welcoming Remarks**
Chul Ju Kim, Deputy Dean (Capacity & Training, and Special Activities), ADBI and
Lead Co-Chair, T20 Task Force 10 on Aging Population and its Impact & Immigration

9:40 a.m. – 9:50 a.m. **Opening Remarks**
Yasuyuki Sawada, Chief Economist and Director General, Asian Development Bank (ADB)

9:50 a.m. – 10:15 a.m. **Keynote Speech: Population Aging and the Economy**
Sang-Hyop Lee, Professor, University of Hawaii at Manoa, Hawaii

10:15 a.m. – 10:25 a.m. **Q & A**

10:25 a.m. – 10:40 a.m. Photo Session and Coffee Break

Session 1: Presentation of AIER Theme Chapter

Moderator: Cyn-Yong Park, Director for Regional Cooperation and Integration, ADB

10:40 a.m. – 11:10 a.m. **2019 AEIR Theme Chapter: Population Aging, Productivity, and the Role of Technology—Main Findings and the Policy Recommendation**

- Aiko Kikkawa Takenaka, Economist, ADB
- Waseem Noor, Adjunct Professor, Columbia University, United States

11:10 a.m. – 11:30 a.m. **Discussants**

- Jinyoung Kim, Professor, Korea University, Republic of Korea
- Xizhe Peng, Director, Center for Population and Development Policy Studies, Fudan University, People's Republic of China

11:30 a.m. – 12:00 nn **Open Floor Discussion**

12:00 nn – 1:30 p.m. Lunch

**ADB–ADB I Conference on the Asian Economic Integration Report 2019 Theme Chapter:
Demographic Changes, Productivity, and the Role of Technology**

Session 2: New Evidence on Population Aging and Growth: Case Studies – Part I

Moderator: Naoyuki Yoshino, Dean, ADBI

1:30 p.m. – 2:00 p.m.	Paper 1: Aging, Labor Markets, and the Adoption of Technology in Japan Presenter: Daiji Kawaguchi, Professor, University of Tokyo, Japan Discussant: Emiko Usui, Associate Professor, Hitotsubashi University, Japan
2:00 p.m. – 2:30 p.m.	Paper 2: Demographic Change, Technological Advances, and Growth: A Cross-Country Analysis Presenter: Kwanho Shin, Professor, Korea University, Republic of Korea Discussant: Rafal Chomik, Senior Research Fellow, University of New South Wales, Australia
2:30 p.m. – 3:10 p.m.	Open Floor Discussion
3:10 p.m. – 3:30 p.m.	Coffee Break

Session 3: New Evidence on Population Aging and Growth: Case Studies – Part II

Moderator: Yasuyuki Sawada, Chief Economist and Director General, ADB

3:30 p.m. – 4:00 p.m.	Paper 3: Population Aging, Technological Change, and Productivity: Case Study of the People's Republic of China Presenter (via VC): Junsen Zhang, Professor, The Chinese University of Hong Kong, Hong Kong, China Discussant: Peter Morgan, Senior Consulting Economist, Vice-Chair for Research, ADBI
4:00 p.m. – 4:30 p.m.	Paper 4: Aging, Automation, and Productivity: Case Study of the Republic of Korea Presenter: Kwanho Shin, Professor, Korea University, Republic of Korea Discussant: Sang-Hyop Lee, Professor, University of Hawaii at Manoa, Hawaii
4:30 p.m. – 4:50 p.m.	Open Floor Discussion
4:50 p.m. – 5:00 p.m.	Day 1 Closing Remarks Yasuyuki Sawada, Chief Economist and Director General, ADB
6:00 p.m.	Dinner Reception (by invitation)

DAY 2: Friday, 14 June 2019

8:45 a.m. – 9:00 a.m. **Registration**

Plenary Session

9:00 a.m. – 9:05 a.m.	Introduction and Recap of Day 1 Sessions Cyn-Young Park, Director for Regional Cooperation and Integration, ADB
9:05 a.m. – 9:25 a.m.	Keynote Speech: Sources of Productivity Growth in Aging Economies Jun Kazeki, Deputy Director-General, Economic and Industrial Policy Bureau, Ministry of Economy, Trade and Industry, Japan
9:25 a.m. – 10:05 a.m.	Q & A
10:05 a.m. – 10:30 a.m.	Coffee Break

Session 4: Reaping the Demographic Dividend

Moderator: Cyn-Young Park, Director for Regional Cooperation and Integration, ADB

10:30 a.m. – 10:50 a.m.

Policy Panel 1: Skilling the Workforce with Technologies

Presenting findings and policy recommendations

Radhicka Kapoor, Fellow, Indian Council for Research on International Economic Relations, India

10:50 a.m. – 11:20 a.m.

Government Representative and Expert Panelists

- **Mahatmi Saronto**, Director of Labour and Employment Creation, Ministry of National Development Planning (BAPPENAS), Indonesia
- **Ma. Angelina Carreon**, Assistant Executive Director, Planning Office, Technical Education and Skills Development Authority (TESDA), Philippines
- **Parimal Sarker**, Deputy Secretary, Economic Relations Division, Ministry of Finance, Bangladesh
- **Jujjavarapu Masilamani**, Joint Director, Directorate General of Training, Ministry of Skill Development & Entrepreneurship, India

11:20 a.m. – 12:00 nn

Open Floor Discussion

12:00 nn – 1:30 p.m.

Lunch

Session 5: Preparing for Population Aging: National and Regional Actions

Moderator: Waseem Noor, Adjunct Professor, Columbia University

1:30 p.m. – 2:20 p.m.

Policy Panel 2: Preparing for Population Aging: National and Regional Actions

Government Representative and Expert Panelists

- **Hideaki Nishizawa**, Coordinator, Office of G20 Ministerial Meetings, International Affairs Division, Minister's Secretariat, Ministry of Health, Labor and Welfare, Japan
- **Ketevan Chapidze**, Head of Economic Analysis Division, Economic Analysis and Reforms Department, Ministry of Economy and Sustainable Development of Georgia
- **Malarmathy Gangatharan**, Additional Director General, Department of National Planning, Ministry of National Policies and Economic Affairs, Sri Lanka
- **Nobuko Nagase**, Adviser to President and Professor, Ochanomizu University, Japan
- **Rafal Chomik**, Senior Research Fellow, University of New South Wales, Australia

2:20 p.m. – 2:50 p.m.

Open Floor Discussion

2:50 p.m. – 3:00 p.m.

Closing Remarks

Naoyuki Yoshino, Dean, ADBI