



The 10th ASAE International Conference

Gearing Asian Agriculture under the Fourth Industrial Revolution:

Opportunities and Challenges

Date: 10-12 August 2020

Venue: China National Conventional Center, Beijing, P. R. China

The Asian Society of Agricultural Economists (ASAE) is a recognized association of agricultural economists and other professionals in Asia. The ASAE International Conference effectively promotes scientific and technical interactions among agricultural economists, development practitioners, policymakers, academicians, researchers, and students from all over the world. It provides an excellent opportunity to share knowledge and ideas for research, teaching, as well as real-world policy making. With the new wave of information technology and biotechnology revolution in the past four decades, Asia face huge challenges and opportunities to raise agricultural productivity and achieve rural transformation in the new era. The 10th ASAE International Conference in 2020 will be a good opportunity for participants around the world to learn about China's agricultural events and how Asian countries respond to the opportunities and challenges brought to agriculture by the fourth industrial revolution.

1. Introduction

Since the middle of the 18th century, there are three industrial revolutions in human history. Although the previous three industrial revolutions have brought unprecedented prosperity to the human society, they have also caused huge consumption of energy and resources, dramatically expanded the contradiction between human and nature. In the 21st century, mankind is confronted with the unprecedented global energy and resources crisis, global ecological and environmental crisis, global climate change crisis and multiple challenges, which triggered the Fourth Industrial Revolution --Green Industrial Revolution.

The Fourth Industrial Revolution is a new green industrial revolution, which is represented by the IoT (Internet of Things), UAV (unmanned aerial vehicle), Big data, Robot, Artificial Intelligence, Nano-technology, 3D printing, 5G and other technologies. The applications of these cutting-edge technologies in the agricultural field will greatly improve agricultural productivity. The past four decades have witnessed the rapid development of agricultural technology along with the new wave of information technology and biotechnology revolutions, throughout the whole world.

Many countries in Asia still face a large number of challenges in the process of agricultural development and rural transformation because there still exist small family farms in Asia which accounts for almost 70% of the world. They are almost isolated from the rest of the world, unable to enjoy rapid technological change and lag behind the pace of agricultural modernization. Therefore, how to realize the agricultural modernization and promote the transformation of small family farms in the new era has become a major concern of the world's agricultural affairs.

These emerging issues require the implementation of "Internet plus small farmers" program, launching the family farm breeding program. These challenges require academia, researchers, scientists, and practitioners (from public, private, and civil society) to analyze and provide implications and give

suggestions towards the acceleration of introducing the agricultural big data, IoT, the mobile Internet, AI and other technologies to small farmers, which boost the information of small farmers.

2. Objectives

This international conference aims to provide a venue by bringing together a good mix of acknowledged policymakers, university researchers, professionals and specialists from development agencies and private industry to share experiences, exchange perspectives, and discuss how Asian countries can effectively cope with the opportunities and challenges brought by the fourth industrial revolution to Asia's agricultural and rural economies. Through the topics about the impact of advanced technologies on Asian countries, rural economic revitalization in Asia, consuming transformation, modern food value chain, regional food security, the sustainable development of Asian agricultural economic environment, etc., it would enhance participators' understanding of Chinese agricultural events, expanding international exchanges and cooperation to promote the rapid development of rural and agricultural economy. Furthermore, it aims to draw up intellectual inputs that can help in shaping agriculture policy design in the region.

3. Dates/Venue:

Dates: 10-12 August 2020

Venue: China National Convention Center, Beijing, P. R. China

4. Conference Theme:

Gearing Asian Agriculture under the Fourth Industrialization Revolution: Opportunities and Challenges

Paper & poster presentation: under the following sub-themes

Sub-themes

- Accessing the impact of advanced technologies (i.e. ICT, IOT, AI etc.) on agriculture in Asian countries.
- Innovating and prioritizing institutions, policies and investment initiatives to modernize small farms dominated Asian agriculture.
- Development and policies under the new wave of biotechnology and gene revolution in Asian countries.
- Revitalizing Asian rural economy: Agricultural transformation, rural industrialization, off-farm employment, farm mechanization etc.
- Changing consumer behaviors, smart agriculture and risk management (including agricultural insurance and financial development in rural areas etc.).
- The modern food value-chain, network trading and digital economy.
- Food security, agricultural trade and market integration under the uncertain international relationships
- Innovative solutions for sustainable and environmental friendly agriculture.

5. Organizers and Co-organizers

Organizers:

Asian Society of Agricultural Economists

Peking University

Renmin University of China

China Agricultural University

Co-organizers:

Chinese Association of Agricultural Economics

Chinese Association of Agro-Technical Economics

6. Proposed Conference Schedule

Draft Program

Mon 09 Aug 2020	
9.30-12.30	Pre-conference workshop (to be determined)
15.00-18.00	Registration
18.00-20.00	Welcome cocktail
Tue 10 Aug 2020	
7.30-8.30	Registration
8.30-9.00	Opening ceremony
	Welcome remarks and introduction of the program:
	Welcome remarks:
	Opening address:
9.00-9.45	ASAE President's Keynote Speech:
9.45-10.15	Group photo and coffee break
10.15-10.45	Plenary session I:
10.45-12.10	Parallel session I
12.10-13.10	Lunch

13.10-13.30	Lunch speech:
13.30-15.00	Parallel session II
15.00-15.30	Coffee break
15.30-17.00	Parallel session III
17.00-19.00	ASAE Executive Council Meeting
19.00-21.00	Conference Dinner/entertainment
Wed 11 Aug 2020	
7.45-8.30	Poster presentation
8.30-9.30	Keynote speech (to be determined)
9.30-10.00	Coffee break
10.00-12.00	Parallel session IV (Young professional sessions)
12.00-13.00	Lunch
13.00-14.00	Plenary session V
14.00-15.30	Parallel session VI
15.30-16.00	Coffee break
16.00-17.00	Closing ceremony and ASAE 2023 in Tokyo
Thu 12 Aug 2020	
8.00 – 12.00	Field trip/City tour (optional, to be available)

(to be updated)

7. Important dates

Deadline for abstract submission/organized symposia: *31 January 2020*

Notification of abstract acceptance/organized symposia: *28 February 2020*

Submission of full paper: *20 April 2020*

8. Official website

www.asae2020.org or www.asae2020.org.cn (to be available)

9. Forthcoming ASAE Conference

ASAE Conference in 2023 will be held in Tokyo.

10. Registration Fees

US \$400: participants from OECD countries

US \$300: participants from non-OECD countries and ASAE members

US \$200: graduate students

Note: An additional US\$ 50 will be charged for the participants of the pre-conference “Learning Workshop on Latest Developments in Teaching and Learning” (to be determined).

11. Contact Persons

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