

Concept Note and Program of “Developing Innovation Strategies in the Era of Data-driven Agriculture”



Rural Development
Administration



Date and venue: October 29-30, 2019, Jeonju, Korea

2019 FFTC-RDA International Symposium Program

“Developing Innovation Strategies in the Era of Data-driven Agriculture” to be held in RDA, Jeonju, Republic of Korea, 29 -30 October, 2019.

Emcee: Dr. Yiseul Kim

Time	Title/Description
October 28	
Arrival day for international attendees	
October 29	
9:00 - 9:30	Opening ceremony - Welcome Remarks: Dr. Kyeong Kyu Kim (Administrator, RDA) - Congratulatory Remarks: Dr. Kuo-Ching Lin (Director, FFTC) - Group Photo
Keynote Session	
9:30 - 10:00	Artificial intelligence and robotics-driven digital agriculture Dr. Kyeong-Hwan Lee Chonnam National University, Gwangju, Republic of Korea
Session 1: Agriculture Big Data – Management and Sharing *Moderator: Dr. Ta-Te Lin	
10:00 - 10:30	The bigdata management and use case study for agriculture based on data Dr. Yongbeen Cho Rural Development Administration, Jeonju, Republic of Korea
10:30 - 11:00	Agriculture 4.0: Data driven approach to galvanize Malaysia's agro-food sector development Dr. Ahmad Safuan Bin Bujang Agricultural Research and Development Institute, Serdang, Malaysia
11:00 - 11:30	Application of common information platform to foster data-driven agriculture in Taiwan Dr. Jyh-Rong Tsay Taiwan Agricultural Research Institute, Taichung, Taiwan

11:30 - 12:00	<p>Developing a database of agricultural production and rural development in Vietnam</p> <p>Dr. Mai Van Trinh Institute for Agricultural Environment, Vietnam Academy of Agricultural Sciences, Hanoi, Vietnam</p>
12:00 - 13:00	Lunch
13:00 - 13:30	<p>Agricultural data collaboration platform: WAGRI – system structure and operation</p> <p>Dr. Shigehiko Hayashi National Agriculture and Food Research Organization, Tokyo, Japan</p>
<p>Session 2: AI in Agriculture – Current Status and Future</p> <p>* Moderator: Dr. Kyeong-Hwan Lee</p>	
13:30 - 14:00	<p>Toward prediction of agricultural traits using multi-omics Model</p> <p>Dr. Yang Jae Kang Gyeongsang National University, Republic of Korea</p>
14:00 - 14:30	<p>Remote sensing, UAV, and Spectroscopy: A Game changer in Philippine agriculture</p> <p>Dr. Ronaldo T. Alberto Central Luzon State University, Philippines</p>
14:30 - 15:00	<p>Trends of AIoT applications in smart agriculture</p> <p>Dr. Ta-Te Lin National Taiwan University, Taipei, Taiwan</p>
15:00 - 15:30	Coffee break
<p>Session 3: Farm Management by UAV or Other Sensing Technologies</p> <p>* Moderator: Dr. Ronaldo T. Alberto</p>	
15:30 - 16:00	<p>Shared geolocaliton gateway lora network: An alternative smart farm deployment strategic infrastructure</p> <p>Dr. Jeong Hyop Lee Data Alliance, Republic of Korea</p>
16:00 - 16:30	<p>Current status and challenges of UAV and other remote sensing technologies for smart(er) agriculture in Thailand</p> <p>Dr. Poonpipope Kasemsap Kasetsart University, Thailand</p>
16:30 - 17:00	<p>Project SARAI technologies for climate-smart agriculture in the Philippines</p>

	Dr. Nelio C. Altoveros University of the Philippines Los Baños, Laguna, Philippines
17:00 - 17:30	Drones application in farming management in Taiwan Mr. Horng-Yuh Guo Taiwan Agricultural Research Institute, Taichung, Taiwan
17:30 - 18:00	Open discussion and closing ceremony

Time	Field Trip Schedule
October 30	
10:00 - 11:30	Smart agricultural machinery education center (in RDA compound)
11:30 - 13:00	Lunch
13:00 - 15:00	Rose valley (Strawberry smart farm) 30 mins from training center
15:00 - 18:00	Hanok village (traditional houses in Jeonju) 45 mins from rose valley
18:00 - 19:30	Farewell Dinner