THE 17TH INTERNATIONAL WORKSHOP ON NONDESTRUCTIVE QUALITY EVALUATION OF AGRICULTURAL, LIVESTOCK AND FISHERY PRODUCTS

Date: October 29, 2024 (Tuesday) 08:30 - 17:00
Venue: Shin-Yi Lecture Hall, 1F, Tseng Jiang Hall, National Taiwan University, Taipei, Taiwan
Organizers: Department of Biomechatronics Engineering, National Taiwan University
Taiwan Agricultural Mechanization Research & Development Center (TAMRDC)
Co-organizers: Chinese Institute of Agricultural Machinery, Taiwan
Taiwan Institute of Biological Mechatronics
Center for Intelligent Agriculture Education and Research, National Taiwan University
Bioenergy Research Center, National Taiwan University
Sponsoring Organization: College of Bioresources and Agriculture (CBA), National Taiwan University

PROGRAM		
Time	**Agenda**	**Chair / Speaker**
08:30 - 09:00	Registration	TBD
09:00 - 09:10	Opening Ceremony	Prof. Dar-Yuan Lee (Vice Dean of CBA) Prof. Emeritus Fu-Ming Lu Prof. Yan-Fu Kuo Prof. Yi-Chich Chiu (Director of TAMRDC)
	Session I	TBD
09:10 - 09:50	The Role of Digital Technologies in Transitioning Food and Agricultural Systems to A Circular Bioeconomy	Prof. John F. Reid University of Illinois at Urbana-Champaign
09:50 - 10:20	Application of Image Texture Feature Distribution on Agriculture Field Type Classification	Prof. Li-yu Daisy Liu National Taiwan University
10:20 - 10:50	Coffee Break	
	Session II	TBD
10:50 - 11:30	Advancing Sustainable Food Production Through AI-driven High-throughput Field Phenotyping	Prof. Wei Guo The University of Tokyo
11:30 - 12:00	Phenotyping Strategies for Agricultural Robots: Massive Sampling and Real-time Fruit Assessment	Prof. Francisco Rovira-Más Polytechnic University of Valencia
12:00 - 13:30	Lunch Break	
	Session III	TBD
13:30 - 14:10	Phenomics researches for digital agriculture and smart farm applications	Prof. Ghiseok Kim Seoul National University
14:10 - 14:40	Application of Imaging and Spectral Technologies in Crop Growth Monitoring and Quality Evaluation	Prof. Shih-Fang Chen National Taiwan University
14:40 - 15:10	Coffee Break	
	Session IV	TBD
15:10 - 15:50	Crop Monitoring Using AI Technology on UAV Images	Prof. Ming-Der Yang National Chung Hsing University
15:50 - 16:20	Smart Agriculture, The Needs, Challenges and Approaches	Prof. Qin Zhang Washington State University
16:20 - 17:00	General Discussion Panelists Prof. John F. Reid — University of Illinois at Urbana-Champaign Prof. Li-yu Daisy Liu — National Taiwan University Prof. Wei Guo — The University of Tokyo Prof. Francisco Rovira-Más — Polytechnic University of Valencia Prof. Pomin Li — National Pingtung University of Science and Technology Prof. Ghiseok Kim — Seoul National University Prof. Shih-Fang Chen — National Taiwan University Prof. Ming-Der Yang — National Chung Hsing University Prof. Qin Zhang — Washington State University Prof. Yan-Fu Kuo — National Taiwan University Prof. Suming Chen — National Taiwan University Prof. Hao-Ting Lin — National Chung-Hsing University	Prof. Emeritus Fu-Ming Lu National Taiwan University