THE 16TH INTERNATIONAL WORKSHOP ON NONDESTRUCTIVE QUALITY EVALUATION OF AGRICULTURAL, LIVESTOCK AND FISHERY PRODUCTS

Date: November 7, 2023 (Tuesday) 08:30 - 17:00

Venue: International Conference Hall, B1, Main Library, 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			Prof. Hsiao-Mei Wu	
08.30 - 09.00		Registration	National Taiwan University	
09:00 - 09:10			Prof. Dar-Yuan Lee (Vice Dean of CBA)	
	Opening Ceremony		Prof. Emeritus Fu-Ming Lu	
			Prof. Yan-Fu Kuo	
			Prof. Yi-Chich Chiu (Director of TAMRDC)	
			Prof. Suming Chen	
			National Taiwan University	
09:10 - 09:50	Recent scientific advances in precision livestock farming		Prof. Tomas Norton	
			Catholic University of Leuven, Belgium Prof. Thomas Banhazi	
09:50 - 10:20			National Taiwan University	
10:20 - 10:50	Coffee Break		Ivational farwari Oniversity	
			Prof. Hao-Ting Lin	
			National Chung-Hsing University	
10.50 11.20	Spectral imaging application for quality and safety measurement for agricultural materials		Prof. Byoung-Kwan Cho	
10:50 - 11:30			Chungnam National University, Korea	
11.20 12.00	Development and application of artificial intelligence and automation		Prof. Yao-Chuan Tsai	
11:30 - 12:00	technology in poultry farms		National Chung-Hsing University	
12:00 - 13:30	Lunch Break			
	Session III		Prof. Pomin Li	
			National Pingtung University of Science	
			and Technology	
13:30 - 14:10 A new approach to training agricultural robotics through synthetic data an		Prof. Dana Choi		
13.30 11.10	digital twin		University of Florida, U.S.A.	
14.10 14.40	Mobile robotic strawberry monitoring and harvesting in precision indoor farms		Prof. Kuan-Chong Ting	
14:10 - 14:40			University of Illinois Urbana-Champaign,	
14:40 - 15:10	Coffee Break		U.S.A.	
14.40 - 13.10			Prof. Shih-Fang Chen	
			National Taiwan University	
	Non-destructive measurements of vegetable and poultry products for		j	
15:10 - 15:50	quality assessments: opportunities of thermal imageries using deep		Prof. Tofael Ahamed	
	learning algorithms		University of Tsukuba, Japan	
	· ·		Prof. Yan-Fu Kuo	
15:30 - 16:20	The applications of machine vision in animal husbandry		National Taiwan University	
	(General Discussion		
	<u>Panelists</u>			
	Prof. Tomas Norton Catl	holic University of Leuven, Belgium		
		ingnam National University, Korea		
		versity of Florida, U.S.A		
		versity of Tsukuba, Japan		
16:20 - 17:00		ional Taiwan University	Prof. Emeritus Fu-Ming Lu	
2,130	Prof. Yao-Chuan Tsai Nati	ional Chung-Hsing University	National Taiwan University	
	Prof. Kuan-Chong Ting Univ	versity of Illinois Urbana-Champaign, U.S.A.		
	Prof. Yan-Fu Kuo Nati	ional Taiwan University		
	Prof. Shih-Fang Chen Nati	ional Taiwan University		
		ional Taiwan University		
		ional Chung-Hsing University		
	Prof. Pomin Li National Pingtung Univ. of Science and Technology			