

Tentative Program

2022 LRI-FRI-IPB-FFTC Joint Symposium Intelligent Production of Livestock Industry and Aquaculture

Room 402, Nangang Exhibition Center Hall 1
(FFTC Webex Meeting Room: Link)

09:00 – 16:50 (GMT+8), September 30, 2022

Tentative Symposium Program

Time (GMT+8)	Topics and speakers	Note
08:30 – 09:00	Online login and onsite registration	
	Opening	20 min.
09:00 – 09:20	Welcome and Remarks ■ Dr. Su-San Chang , Director, FFTC ■ Dr. Junne-Jih Chen , Deputy Minister, COA, Taiwan ----- Group Photo -----	
	Keynote Speech Intelligent technology for livestock and aquaculture industry: implications, development, and promotion Moderator: Dr. Tomonari Watanabe Deputy Director, Food and Fertilizer Technology Center (FFTC) for the Asian and Pacific Region	1hr
09:20 – 09:50	K-1: Technologies development on intelligent production of livestock industry in Taiwan Dr. Mei-Ping Cheng (mpcheng@mail.tlri.gov.tw) Deputy Director General Livestock Research Institute, COA, Taiwan	25 + 5 min
09:50 – 10:20	K-2: Unmanned 3D smart marine farm Dr. Chung-Cheng Chang (ccchang@mail.ntou.edu.tw) Professor Department of Electrical Engineering National Taiwan Ocean University, Taiwan	25 + 5 min
10:20 – 10:30	Coffee Break	10 min

	Session 1 Current status and strategies of the development and adoption of intelligent production systems on small-scale livestock and aquaculture industries. Moderator: Dr. Hsin-I Chiang (samchiang@nchu.edu.tw) Associate Professor, National Chung Hsing University, Taiwan Dr. Chung-Cheng Chang (ccchang@mail.ntou.edu.tw) Professor, National Taiwan Ocean University, Taiwan	1hr 40 min.
10:30 – 10:50	S1-1: Livestock smallholder empowerment system based on digital technology and internet of things for livestock smallholder communities in Indonesia Dr. Heru Sukoco (hsrkom@gmail.com) Department of Computer Science IPB University, Indonesia https://orcid.org/0000-0002-1415-4022	20 min
10:50 – 11:10	S1-2: RDA research trends and cases for smart livestock farming Dr. Jongbok Kim (jbkimj@korea.kr) Senior Researcher Department of Animal Biotechnology & Environment National Institute of Animal Science, Korea https://www.researchgate.net/scientific-contributions/Jong-bok-Kim-2147501580	20 min
11:10 – 11:30	S1-3: Current status and solutions to promote the development and adoption of intelligent production systems on small-scale aquaculture in Vietnam Dr. Cao Le Quyen (quyenvifep@gmail.com) Deputy Director General Vietnam Institute of Fisheries Economics and Planning (VIFEP), Vietnam https://www.researchgate.net/profile/Cao-Quyen	20 min
11:30 – 11:50	S1-4: Crabfrier: In search of sustainable solutions through traditional and modern technologies for the mangrove crab industry	20 min

	Dr. Chona Camille V. Abeledo chona.abeledo@dlsu.edu.ph Associate Professor Department of Biology De La Salle University (DLSU), Philippines https://scholar.google.com.ph/citations?user=hi4LYecAAAJ&hl=en	
11:50 – 12:10	Q&A and Discussion	20 min
12:10 – 13:10	Lunch Break	1hr
	Session 2 Success cases in the application of advanced intelligent technologies in the livestock and aquaculture industries Moderator: Dr. Yan-Fu Kuo (ykuo@ntu.edu.tw) Professor, National Taiwan University, Taiwan Dr. Chung-Cheng Chang Professor, National Taiwan Ocean University, Taiwan	1hr 40 min.
13:10 – 13:30	S2-1: Artificial intelligence in livestock production in Thailand: industry and research Professor Dr. Chaipoom Bunchasak agrchb@ku.ac.th Department of Animal Science Faculty of Agriculture Kasetsart University, Thailand https://www.researchgate.net/profile/Chaipoom-Bunchasak	20 min
13:30 – 13:50	S2-2: Intelligent machine system of dairy farm in Taiwan Dr. Jeng-Bin Lin (jblin@mail.tlri.gov.tw) Division Chief Technical Service Division Livestock Research Institute, COA, Taiwan	20 min
13:50 – 14:10	S2-3: Development and implication of intelligent technology for the aquaculture industry: a case report in the area of shrimp farming Dr. Yuan-Nan Chu (ynchu@ntu.edu.tw)	20 min

	Department of Biomechatronics Engineering National Taiwan University, Taiwan https://www.bime.ntu.edu.tw/English/News_Photo_Content_n_100917_s_104192.html	
14:10 – 14:30	S2-4: Automatic feeding by activity determination for fish farming Prof. Nobuo EZAKI (ezaki@toba-cmt.ac.jp) National Institute of Technology Toba College, Japan https://researchmap.jp/Ezaki-Nobuo?lang=en	20 min
14:30 – 14:50	Q&A and Discussion	20 min
14:50 – 15:00	Coffee Break	10 min
	Session 3 Advanced intelligent technologies from the private sector Moderator: Dr. Yan-Fu Kuo Professor, National Taiwan University Dr. Chung-Cheng Chang Professor, National Taiwan Ocean University	1hr 10 min.
15:00 – 15:15	S3-1: Internationally developed, locally influenced-smart aquaculture in Taijiang Agriculture Biotechnology Mr. Jung-Hung Yen (leader888945@hotmail.com) Chairman Taijiang Agricultural Biotechnology CO., LTD., Taiwan Mr. Andrew Piggott (andrew@oas.se) R&D Chief, Taijiang Agricultural Biotechnology CO. Managing & Technical Director, OAS Sweden AB, Sweden	15 min
15:15 – 15:30	S3-2: Real-time application of remote health monitoring technology to livestock industry Mr. Steve Kim (steve@ulikekorea.com) VP/Senior Advisor Legal and Overseas Business uLikeKorea, Korea	15 min

15:30 – 15:45	S3-3: Bábolna Tetra Group; selected for quality Mr. Tamás Szobolevszki (tamas.szobolevszki@babolnatetra.com) Area Manager (Asian countries) Bábolna Tetra Ltd., Hungary	15 min
15:45 – 16:00	S3-4: Application of intelligent technology to raising geese for industrial development Mr. Siang Bin Wu (goosekingpin@yahoo.com.tw) CEO Fang Yuan Farm, Taiwan	15 min
16:00 – 16:10	Q&A and Discussion	10 min
	Session 4 (General Discussion) Policy measures for transformation to intelligent production: challenges and possible solutions Moderator: Dr. Jeng-Fang Huang (huangaif@tlri.gov.tw) Director General, LRI	30min
16:10 – 16:40	Possible Themes . Policy for R&D promotion . Policy for the transformation of intelligent production . Business models of intelligent systems Panelists: Dr. Mei-Ping Cheng , Deputy Director General, LRI Dr. Chung-Cheng Chang , Professor, NTOU Dr. Chaiyapoom Bunchasak , Professor, Kasetsart University, Thailand Dr. Chona Camille V. Abeledo , Associate Professor, De La Salle University (DLSU)	
	Closing	10 min.
16:40 – 16:50	Closing Remarks ■ Dr. Jeng-Fang Huang , Director General, LRI ■ Dr. Su-San Chang , Director, FFTC	