



農業科技創新應用國際研討會-科技領航・鏈結全球
International Conference on Agri-tech Innovation and Applications

● 日期：2026 年 10 月 6 日 (二) 至 10 月 7 日 (三)

Date: Tuesday, October 6 to Wednesday, October 7, 2026

● 地點：政大公企中心 2 樓國際會議廳

Venue: International Conference Hall, 2F, CPBAE, National Chengchi University

● 議程

Agenda

Day 1 10 月 6 日 (二) 上午場 Morning Session, Tuesday, October 6

時間 Time	演講主題 Topics	講者 Speaker
09:00-09:30	報到 Registration	
09:30-09:45	開幕式 Opening Ceremony	
主題一：農漁畜產業之健康促進與韌性發展 Theme 1: Health Promotion and Resilient Development in Agriculture, Fisheries, and Livestock Industries 主持人：農業部畜產試驗所所長 黃振芳 Moderator: Jeng-Fang Huang, Director General, TLRI, MOA		
09:45-10:25	動物健康與營養產業之全球趨勢與發展策略 Global Trends and Development Strategies in Animal Health and Nutrition Industry	Kincannon & Reed 總監 Attila von Hankó Attila von Hankó, Director, Kincannon & Reed
10:25-10:50	創新動物疫苗之開發與應用 Innovations in Animal Subunit Vaccine Development and Applications	農業科技研究院 動植物生產與健康研究所 組長 陳敬宜 Ching-I Chen, Chief, Animal & Plant Health and Production Research Center, ATRI
10:50-11:15	天然萃取物於水產養殖之健康管理與免疫 調控應用 Natural Extracts in Aquaculture: Applications in Health Management and Immune Modulation	農業科技研究院 動植物生產與健康研究所 組長 呂仲倫 Chung-Lun Lu, Chief, Animal & Plant Health and Production Research Center, ATRI
11:15-11:25	交流茶敘 Coffee Break	
11:25-11:50	芽孢桿菌微生物技術於永續與氣候智慧型 農業之應用 Bacillus-Based Microbial Innovation for Sustainable and Climate-Smart Agriculture	國立中興大學 植物病理學系 教授 黃姿碧 Tzu-Pi Huang, Professor, Department of Plant Pathology, NCHU



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11:50-12:15	耐熱新農業：2023-2026 國家調適計畫中的高溫壓力管理與科技化轉型 Heat-Resilient Agriculture: Heat Stress Management and Technological Transformation in Taiwan's National Adaptation Plan (2023-2026)	農業科技研究院 農業政策研究所組長 黃德秀 Te-Hsiu Huang, Chief, Agricultural Policy Research Center, ATRI
12:15-12:30	Q & A	
12:30-13:45	午餐暨成果展示區參觀 Exhibition Area Tour & Lunch	

Day 1 10月6日(二) 下午場 Afternoon Session, Tuesday, October 6

時間 Time	演講主題 Topics	講者 Speaker
主題二：「智慧農業 x AI」於農業之發展與應用 Theme 2: Smart Agriculture and AI: Development and Applications 主持人：國家科學及技術委員會科技政策諮詢專家室主任 蔡志宏 Moderator: Zsehong Tsai, Chair, S&T Policy Advisory Office, NSTC		
13:45-14:35	從數位孿生到田間機器人：人工智慧驅動之特色作物生產自動化 From Digital Twins to Field Robots: AI-Driven Automation for Specialty Crop Production	美國佛羅里達大學 農業與生物工程系助理教授 Dana Choi Dana Choi, Assistant Professor, Department of Agricultural and Biological Engineering, University of Florida
14:35-15:25	AI 應用於乳牛生理監測及健康管理 AI Applications in Dairy Cow Physiological Monitoring and Health Management	美國德州農工大學 動物科學系助理教授 Sushil Paudyal Sushil Paudyal, Assistant Professor, Department of Animal Science, Texas A&M University
15:25-15:55	成果展示暨交流茶敘 Coffee Break	
15:55-16:15	生理訊號監測與健康風險預警模型應用 Applications of Physiological Signal Monitoring and Health Risk Prediction Models	農業科技研究院 農業設施與環境研究所組長 洪郁婷 Yu-Ting Hung, Chief, Agricultural Facilities and Environment Research Center, ATRI
16:15-16:55	農業 AI 賦能創新管理模式與發展趨勢 AI-Driven Transformation in Agriculture: Innovation, Management, and Emerging Trends	台灣農業設施協會理事長 蔡致榮 Jyh-Rong Tsay, President, Taiwan Agricultural Structures Association
16:55-17:10	Q & A	
17:10	第一天議程結束 End of Day 1	



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Day 2 10月7日(三) Wednesday, October 7

時間 Time	演講主題 Topics	講者 Speaker
09:00-09:30	報到 Registration	
主題三：從資源化開發到增強農畜韌性之農業循環賦能 Theme 3: Empowering Circular Agriculture: From Resource Valorization to Enhanced Crop and Livestock Resilience 主持人：國立中興大學循環經濟研究學院院長 王升陽 Moderator: Sheng-Yang (David) Wang, Dean, Academy of Circular Economy, NCHU		
09:30-10:30	日本與歐盟生物刺激素發展現況與近期議題 Biostimulants Status in Japan and EU with Some Recent Topics	日本生物刺激素協會 顧問 Tetsuo Wada Tetsuo Wada, Consultant, Japan Biostimulant Association
10:30-11:10	提升作物抗性與環境韌性的循環生物源策略 Bio-based Strategies for Crop Resistance and Resilience	農業科技研究院 農業資材與加值研究所 所長 林育萱 Yu-Hsuan Lin, Director, Agricultural Input and Product Valorization Research Center, ATRI
11:10-12:00	農業剩餘資材於畜牧養殖之應用現況與技術發展 Application Status and Technological Development of Agricultural Residues in Livestock Production	國立宜蘭大學 生物技術與動物科學系 副教授 張雅琇 Ya-Shiou Chang, Associate Professor, Department of Biotechnology and Animal Science, NIU
12:00-12:20	將農業科研成果轉化為產業影響： 技術擴散在糧食安全與穩定生產中的關鍵角色 From Agricultural Research to Industrial Impact: The Role of Technology Diffusion in Ensuring Food Security and Stable Production	農業科技研究院 產業發展中心研究員 張慕慈 Mu-Tzu Chang, Researcher, Industrial Development Center, ATRI
12:20-12:30	Q & A	
12:30-12:40	閉幕式 Closing Ceremony	



三大主題

Themes

1. 農漁畜產業之健康促進與韌性發展

聚焦農漁畜產業因應環境變遷與疫病挑戰，探討健康管理創新技術、國際發展趨勢與韌性策略，提升產業永續經營能力與競爭力。

1. Health Promotion and Resilient Development in Agriculture, Fisheries, and Livestock Industries

This theme focuses on innovative health management technologies, global trends, and resilience strategies for the crop, livestock, and aquaculture sectors in response to climate change and emerging disease challenges, with the aim of strengthening sustainable development and industry competitiveness.

2. 「智慧農業 x AI」於農業之發展與應用

探討 AI、智慧農機、數位孿生與自動化技術在農業及畜牧的應用，提升生產效率、決策精準度與自主作業能力，加速智慧農業發展。

2. Smart Agriculture and AI: Development and Applications

This theme explores the applications of artificial intelligence (AI), smart agricultural machinery, digital twins, and automation technologies in crop production and livestock farming to improve production efficiency, decision-making, and autonomous operations, thereby accelerating the advancement of smart agriculture.

3. 從資源化開發到增強農畜韌性之農業循環賦能

聚焦農業循環利用與生物資源應用，探討植物生物刺激素、農業副產物再利用及創新技術，提升資源效率、農畜韌性與永續發展能力。

3. Empowering Circular Agriculture: From Resource Valorization to Enhanced Crop and Livestock Resilience

This theme focuses on circular resource use and bioresource applications in agriculture, including plant biostimulants, the valorization of agricultural by-products, and emerging technologies to improve resource-use efficiency, strengthen crop and livestock resilience, and support sustainable agricultural development.



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| 主持人介紹

Theme Moderators



黃振芳

**農業部畜產試驗所
所長**

Jeng-Fang Huang,
Director General, Taiwan
Livestock Research Institute,
MOA



蔡志宏

**國家科學及技術委員會
科技政策諮詢專家室
主任**

Zsehong Tsai,
Chair, S&T Policy Advisory
Office, NSTC



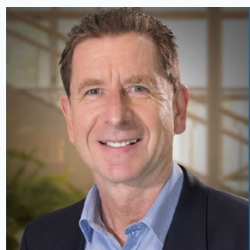
王升陽

**國立中興大學
循環經濟研究學院
院長**

Sheng-Yang (David) Wang,
Dean, Academy of Circular
Economy, National Chung
Hsing University

國際講者介紹

International Speakers

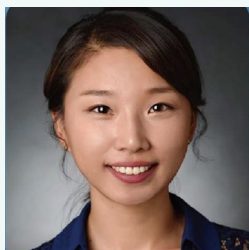


Attila von Hankó

Kincannon & Reed
總監

Attila von Hankó, Director,
Kincannon & Reed

- 具歐洲及全球市場經驗
- 專長：農業與食品產業策略、生技與生命科學
- Extensive experience in European and global markets
- Areas of expertise: strategy for the agriculture and food sectors, biotechnology, and life sciences

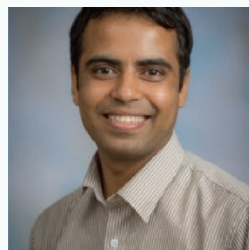


Dana Choi

美國佛羅里達大學
農業與生物工程系
助理教授

Dana Choi, Assistant Professor,
Department of Agricultural and
Biological Engineering,
University of Florida

- 投入特色作物 AI、自動化與農業機器人研究
- 專長：智慧農業、數位孿生、無人載具
- Researches AI, automation, and agricultural robotics for specialty crops
- Areas of expertise: smart agriculture, digital twins, and unmanned systems



Sushil Paudyal

美國德州農工大學
動物科學系 助理教授

Sushil Paudyal, Assistant
Professor, Department of
Animal Science, Texas A&M
University

- 具專業動物科學家認證 (ARPAS)
- 專長：精準乳牛養殖、疾病預測、決策模型與自動化系統
- Certified Professional Animal Scientist (ARPAS)
- Areas of expertise: precision dairy farming, disease prediction, decision support models, and automated systems



Tetsuo Wada

日本生物刺激素協會
顧問

Tetsuo Wada, Consultant,
Japan Biostimulant Association

- 日本生物刺激素協會技術委員會主席
- 專長：生物刺激素、植物保護、IPM 與生物農藥
- Chair, Technical Committee, Japan Biostimulants Association
- Areas of expertise: biostimulants, plant protection, integrated pest management (IPM), and biopesticides

| 國內講者介紹

Speakers

 陳敬宜 農業科技研究院 動植物生產與健康研究所 組長 Ching-I Chen, Chief, Animal & Plant Health and Production Research Center, ATRI • 具動物疫苗與豬隻疾病研究經驗 • 專長：動物疫苗研發、豬隻傳染病模式、臨床前動物試驗、抗菌藥物抗藥性監測、獸醫診斷技術及碳足跡查證 • Researcher in animal vaccines and swine infectious diseases • Areas of expertise: animal vaccine research and development, swine infectious disease models, preclinical animal study design and management, antimicrobial resistance surveillance, veterinary diagnostic method development and validation, and carbon footprint assessment and verification	 呂仲倫 農業科技研究院 動植物生產與健康研究所 組長 Chung-Lun Lu, Chief, Animal & Plant Health and Production Research Center, ATRI • 具水產養殖研究、教育及驗證管理經驗 • 專長：水產養殖、水生生物免疫生理及農產品溯源管理 • Extensive experience in aquaculture research, education, and traceability and certification management • Areas of expertise: aquaculture, immune physiology of aquatic organisms, and traceable agricultural products	 黃姿碧 國立中興大學 植物病理學系 教授 Tzu-Pi Huang, Professor, Department of Plant Pathology, NCHU • 具植物病害生物防治、微生物製劑開發及植物病原診斷鑑定經驗 • 專長：微生物細胞間訊息傳遞、生物防治、害物藥劑學、農藥殘留及微生物代謝產物分析 • Extensive experience in biological control of plant diseases, microbial biopesticide development, and plant pathogen diagnosis and identification • Areas of expertise: microbial cell-to-cell signaling, biological control, pesticide science, and analysis of pesticide residues and microbial metabolites
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| 國內講者介紹

Speakers

 黃德秀 農業科技研究院 農業政策研究所 組長 Te-Hsiu Huang, Chief, Agricultural Policy Research Center, ATRI ● 具氣候變遷調適政策及農業氣候韌性規劃經驗 ● 專長：氣候變遷治理、農業氣候調適、國土規劃、生態系服務評估及氣候災害風險治理 ● Extensive experience in climate adaptation policy and agricultural climate resilience planning ● Areas of expertise: climate change governance, agricultural climate adaptation, land use planning, ecosystem service assessment, and climate-related disaster risk governance	 洪郁婷 農業科技研究院 農業設施與環境研究所 組長 Yu-Ting Hung, Chief, Agricultural Facilities and Environment Research Center, ATRI ● 具智慧農業及精準畜牧技術研發經驗 ● 專長：智慧農業、精準畜牧及人工智慧 ● Extensive experience in smart agriculture and precision livestock farming ● Areas of expertise: smart agriculture, precision livestock farming, and artificial intelligence	 蔡致榮 台灣農業設施協會 理事長 Jyh-Rong Tsay, President, Taiwan Agricultural Structures Association ● 具農業機械及精準農業技術經驗 ● 專長：農業動力與機械、農藥施用技術、精準農業、試驗設計、統計分析及計算流體力學 ● Extensive experience in agricultural machinery and precision farming technologies ● Areas of expertise: agricultural power and machinery, pesticide application technologies, precision farming, experimental design, statistical analysis, and computational fluid dynamics
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| 國內講者介紹

Speakers



林育萱

農業科技研究院
農業資材與加值研究所
所長

Yu-Hsuan Lin, Director,
Agricultural Input and Product
Valorization Research Center,
ATRI

- 具植物育苗健康管理及抗病育種篩選經驗
- 專長：植物育苗健康管理、抗病育種篩選、農業剩餘資源循環利用、農業微生物製劑應用及新興農業技術與進口農產品風險評估
- Extensive experience in plant seedling health management and disease-resistance screening for breeding
- Areas of expertise: plant seedling health management, disease-resistance screening for breeding, circular utilization of agricultural residues, applications of microbial agents in agriculture, and risk assessment for emerging agricultural technologies and imported agricultural products



張雅琇

國立宜蘭大學
生物技術與動物科學系
副教授

Ya-Shiou Chang,
Associate Professor, Department
of Biotechnology and Animal
Science, NIU

- 具肉品科學及動物性食品系統研究經驗
- 專長：屠後肌肉生化、鈣蛋白酶肉品嫩化、肉品品質、農業副產物飼料化及潔淨標示食品開發
- Extensive experience in meat science and animal-derived food systems
- Areas of expertise: postmortem muscle biochemistry, calpain-mediated meat tenderization, meat quality, agricultural by-products as feed resources, and clean-label food development



張慕慈

農業科技研究院
產業發展中心
研究員

Mu-Tzu Chang, Researcher,
Industrial Development Center,
ATRI

- 具農業技術移轉及商業模式發展經驗
- 專長：農業技術移轉、創新擴散、商業模式開發、新創事業評估、分子標誌輔助育種、基因體育種及動物微生物與免疫
- Extensive experience in agricultural technology transfer and business model development
- Areas of expertise: agricultural technology transfer, innovation diffusion, business model development, new venture evaluation, marker-assisted selection, genomic breeding, and animal microbiology and immunology