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Workshop on AI in Agrotechnology (II)

(exclusive for Latin America)

Invitation Required: Through the R.O.C(Taiwan) embassies, representative offices, or Taiwan technical missions.

Dates : September 2-6, 2024

Application Deadline : June 24, 2024

Location: Miami, USA



Overview

In an era where climate change and geopolitical conflicts exacerbate food shortages, there's a growing global consensus on the need for sustainable agriculture that builds food security while also preserving the environment. This workshop shares Taiwan's answer to this dilemma, which comes in the form of pioneering research into smart agriculture. Participants will learn about the latest technologies used to control pests and improve efficiency, such as intelligent image recognition, data analytics, environmental monitoring, and remote control systems. The workshop will empower participants with AI insights, fostering sustainable agricultural models.

Objectives

- Leverage AI to increase crop production, enhance resilience, and reduce labor, stabilizing food security and prices
- Promote agricultural technology that respects the environment, safeguards ecosystems, and maintains the diversity and productivity of various species

Contents

- Explore Taiwan's Smart Agriculture 4.0 initiative, delving into its strategic execution and methodologies
- Discover Taiwan's cutting-edge monitoring technologies and big data analytics in the agriculture, fishery, and livestock sectors, highlighting successful smart production-marketing systems and digital services
- Learn how AI enhances terrestrial and aquatic production, bolstering food security and promoting sustainability

Issues this workshop will address

- How reliable and precise is AI, and does it provide a worthwhile return on investment?
- How are governments protecting privacy and property rights given the heavy reliance on information systems in smart agriculture?

Who may apply

- **Background:** Aged above 20, senior officials from the agriculture, forestry, fishery, and livestock sectors; industry executives; members of non-governmental and international organizations; and TaiwanICDF's partners in related projects
- **Expertise:** Agricultural machinery, agricultural management, food science, environmental engineering, aquaculture, biotechnology, biomechanics engineering, and related topics



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