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Workshop on AI in Smart Healthcare II Overseas Program - Exclusive for Asia & Pacific

Date: 4 August - 8 August, 2025

Application Deadline: 4 July, 2025

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



Overview

According to a 2020 WHO report, the global healthcare workforce faces overwork and resource shortages, challenges that technology integration can help address. Taiwan's advanced medical and ICT sectors have developed innovative solutions to reduce costs, enhance efficiency, and improve care quality. This Workshop highlights Taiwan's expertise in smart healthcare and AI-driven precision medicine. Notably, medical AI has advanced rapidly, particularly in precision medicine, where AI supports clinical pathology and radiology. Participants will gain practical insights to apply in their home countries.

Objectives

- Demonstrate how AI can assist in interpreting medical images, acting as a valuable adjunct to physicians.
- Enhance participants' ability to utilize smart healthcare technologies to support medical decision-making and optimize operational processes.

Contents

- **Telemedicine and Building Smart Hospitals:** The cross-industry collaboration between the IoT sector and healthcare has led to the development of telemedicine. We will examine successful cases of smart hospitals and learn about "medical IoT" systems that enhance administrative efficiency in healthcare institutions, including electronic medical records, health information systems, and the automation of pharmaceutical and medical material logistics.
- **Enhancing with AI Technology:** In this workshop we share examples of how precision medicine is used for diagnoses and risk reduction, such as the use of specially designed chips to test DNA and predict disease risks. Additionally, applications like AI ECG, AI pancreatic cancer detection models, and AI-assisted pediatric hip ultrasound examinations will be introduced.

Issues this workshop will address

- How technology can improve the administrative efficiency of medical institutions and reduce costs.
- How AI can support physician diagnoses, and what legal implications that has.

Who may apply

- **Background:** Mid-to-high level officials from health ministries, managers of medical institutions, and members of non-governmental or international organizations
- **Fields of Expertise:** Health and wellness, social welfare, medical care, and smart healthcare industry



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