6 Workshop on AI in Smart Healthcare I

Dates：June 4 - 13, 2025
Application Deadline：May 15, 2025

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

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Overview

Many countries are accelerating the development of digital health technologies in response to global trends of aging populations and increasing healthcare demands, as advocated by the World Health Organization (WHO). This workshop will help partner countries understand the implementation of healthcare information systems, showcasing technology applications such as wearable health monitoring devices for chronic patients, AI-assisted medical diagnostics in pathology, and robot-assisted surgery for high-precision procedures. Participants will gain valuable insights into how these innovations enhance healthcare efficiency and quality, providing practical references for implementation in their home countries.

Objectives

- Understand the core concepts and applications of smart healthcare, leveraging digital technologies such as AI and big data analytics to support accurate diagnoses and prognoses, thereby improving healthcare efficiency and quality.
- Advocate for early diagnosis and health promotion to strengthen public awareness of preventive care and health risk management, achieving the goal of effective disease prevention.

Contents

- **Applications of Smart Healthcare Technologies and Case Studies:** Explore how healthcare institutions digitize administrative workflows to reduce manual tasks; learn how radiology and pathology departments utilize AI to analyze large volumes of image data to minimize diagnostic errors; discover the use of smart drug storage systems to enhance medication safety management.
- **Telehealth Solutions:** Introduce digital applications that improve accessibility to healthcare, including online consultations, personal health monitoring, and remote care services.
- **Field Visit to "Medical Taiwan 2025 – Taiwan International Medical and Healthcare Exhibition":** Observe Taiwan's innovative achievements in the healthcare industry and foster exchanges between international experts and medical device manufacturers.

Issues this workshop will address

- What healthcare challenges can current AI technologies solve?
- How reliable and accurate is AI? Is it worth the investment?
- How can governments establish regulations and policies to prevent privacy violations caused by the heavy reliance on information systems in smart healthcare development?

Who may apply

- **Backgrounds:** Senior officials from public health and smart healthcare sectors aged 20 and above; executives in the medical and healthcare-related industries, with 2+ years of relevant work experience

- **Expertise:** Senior officials from public health and disease control units, healthcare professionals, biomedical engineers, medical device developers, and health data analysts.

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Contact Person

FengTa Tsai
Tel：886-2-2888-6061
E-mail：f.t.tsai@icdf.org.tw