鄭育昌 博士
Dr. Yuchang Cheng
富士通株式会社 AI研究所 資深研究經理
奈良先端科学技術大学院大学 客座副教授

實現"可信人工智能"的法規和國際標準化
Regulations and International Standardizations to Realize "Trusted AI"

Date: 2024/05/14 (Tue)
Venue: S4-625
Time: 10:00-11:00

歡迎大學部同學參加

Abstract:

With the recent rise of AI businesses in all industries around the world, AI can also be used to make important decisions for society. However, it is also true that using AI incorrectly or without understanding the characteristics of AI can have a negative impact on society due to concerns about its impact on human rights and social values. There is a need for wisdom and knowledge to properly utilize these new technologies, and many countries have now developed principles and guidelines for the use of AI.

In particular, European Union (EU), which takes a hard law approach, announced the AI Act in April 2021 and plans to implement it in 2026. Enterprises that violate EU AI Act will be subject to sanctions, including substantial fines, but many countries and industries have indicated their willingness to accept this, making it urgent to develop specific processes and measures to comply with EU AI Act.

This presentation summarizes the current activities of regulations and ISO International Standardization related to the realization of trusted AI. It will focus on trends and outlines of International Standards (harmonized standards) that provide for AI regulations, particularly the EU AI Act, and its implementation details. In addition, regarding international standards for AI, this presentation provides an overview of the activities in international standards organization – ISO/IEC JTC1/SC42, as well as introduces the other important topics of AI standardization activities, such as international standards related to certification, audit, ethics, and the relationships between AI and humans.