

Presentation title:

Efforts to introduce advanced technologies such as AI in the police

Speaker: Hoshie Shinozaki (Police Policy Research Center, Japan)

In April last year, the National Police Agency (NPA) established a technology department to promote technology policy in an integrated manner considering changes in social conditions, such as the digitization of society and the increasing severity of threats in cyberspace. To ensure the safe and appropriate introduction of advanced technologies, the department is working to understand issues and effects by conducting verification through demonstration experiments prior to the introduction. The following is an overview of the three demonstration experiments conducted by the NPA.

- (1) Analysis of information on suspicious transactions
Suspicious transactions required an enormous amount of work to sort out and analyze. The NPA developed a mechanism to learn this by AI and prioritize information that should be paid attention to by the staff in charge of analysis, according to the degree of attention.
- (2) Car Model Identification
While resources in the police are limited in terms of quality and quantity, it is necessary to maintain and improve the level of analysis of security camera images. To address this issue, the NPA conducted a demonstration experiment on a mechanism to identify vehicle types from security camera images using AI. Through the demonstration experiment, the NPA was able to construct a system that detects a vehicle from the video and determines what type of vehicle it is.
- (3) Search and analysis of illegal drug information on SNS
Effective countermeasures against information on controlled drugs are necessary for SNS, where a vast amount of information is transmitted daily. To address this situation, the NPA conducted a verification experiment on a mechanism to efficiently search for and analyze information on controlled drugs using AI. As a result of the experiment, it was confirmed that the system was able to extract with high accuracy SNS postings related to advertisements of controlled drugs.