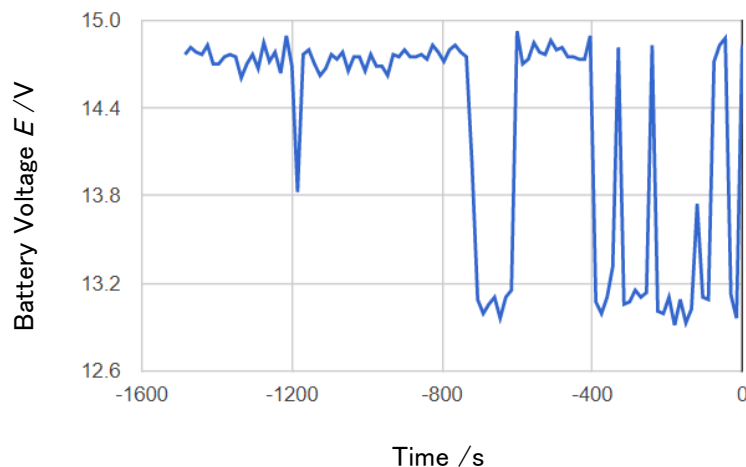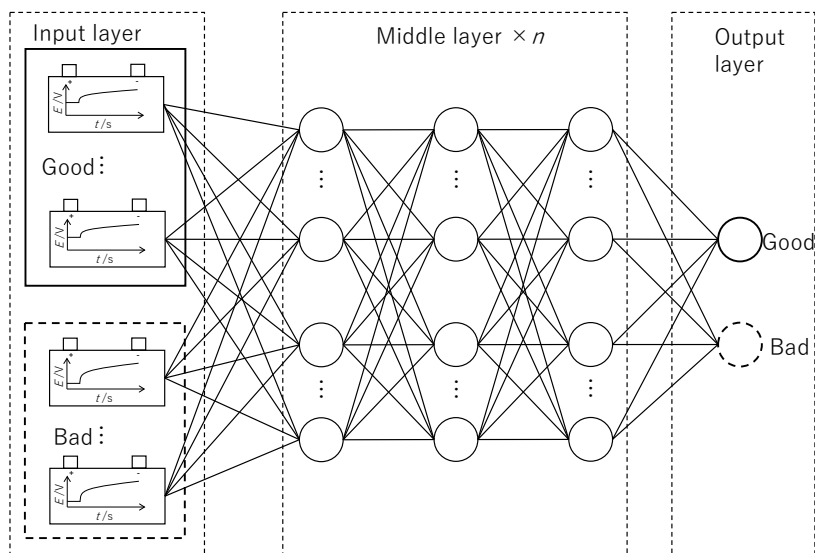# Discrimination of laboratory data by machine learning

Associate Professor Tomohiro Ito

Battery management by cooperation with IoT and AI

Content：

In recent years, the terms AI and deep learning have become more commonly used. People only want batteries for electric energy. In other words, we don't want batteries, we want electrical energy. A management circuit that controls charging and discharging is attached to the battery to monitor the state of the battery. We study the battery life prediction by monitoring the battery voltage via the internet. Also, there are many instrument analyzers in the university. The data obtained from these instruments have been analyzed and attributed by experts.

Appealing point：

We are aiming to establish an algorithm that automatically discrimination this attribution work using machine learning. We aim to solve the labor shortage in an aging society with a low birthrate by utilizing the research content. We aim to create a society in which the life of industrial products can be predicted and actions can be taken before a failure occurs.

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