Modelling and AI for Integration of Cyber and Physical World

Value Creation by Reliable Machine Learning-based Systems

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Summary :

As growth of Big Data and IoT, machine learning plays an important role and embedded in many systems. Because the behaviour of trained-model is generated statistically based on training data, it is hard to develop machine learning-based systems with enough quality.

The goal of this project is to establish an engineering discipline on machine learning-based systems, which provides the systems with the value and quality. We integrate software engineering perspective and the theory of machine learning into the discipline, so called machine-learning systems engineering.