

## Assignment 3

시스템경영공학과 2016314726

정영준

This week's topic is Artificial Intelligence. A.I is my main field. I have studied about AI for 1.5 years. So, I was looking forward to taking lecture. "Can Machines think?", I think it is hard to answer to this question. Thinking is difficult to define. Turing Test is famous test that can discriminate whether machine can think or not. A human evaluator has conversations between a human and a machine. The conversation would be limited to a text-only channel. If the evaluator cannot reliably tell the machine from the human, the machine is said to have passed the test. If a person does not distinguish between a person and a machine that he or she is talking to, is it "intelligent". I do not think so. Imitating and understanding are totally different concept. Searle propose Chinese Room argument. Chinese Room argument: First, the man who can only speak English is in the room. There are pen, paper and correct answer about Chinese question written in English. The Chinese man writes Chinese question on paper and put it into the room. In the room English man writes answer for the Chinese question according to "Correct Answer Sheet". Then, he hands the paper to outside. The Chinese man may think that person who is in the room can understand Chinese, but it is wrong. Like this argument, Turing Test cannot judge that machines can think. Nowadays, AI do many thinks. But Strong Artificial Intelligence is very hard to achieve.