



Presentation Summary Form

1. 발표제목

영문 제목

What Must Humans Focus in the Era of AI Transformation (AX)?

2. 발표 요약문 (500자 이상)

영문 요약문

Neural networks trained with deep learning are going to radically improve productivity in many industries, so there is no possibility of halting their improvement.

neural networks that learn language by trying to predict the next word are much more similar to people than they are to conventional computer software.

Like people, they understand language by converting words into patterns of activation of features and they predict the next word by using the features of the previous words to predict the features of the next word.

Like people, their knowledge consists of learned interactions between features rather than stored strings of symbols. They understand what they are saying in the same way as people do.

Neural networks are rapidly becoming more intelligent and they are quite likely to become more intelligent than people in less than 20 years.

We have never before had to deal with beings more intelligent than ourselves and we do not know how to prevent them from taking control.

Figuring out how people can stay in control is a vitally important research question.

In addition, I will talk briefly about some of the more immediate risks from applications of neural networks to autonomous lethal weapons, cyber-attacks, biological warfare and fake news.