

# Intelligent Technology Reading List and Watch List

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## Abstract

To facilitate the learning objective of the course, a number of articles from online newspapers, magazines and journals have been solicited. Many of them are not technical. Moreover, videos from YouTube will be solicited. Reading assignments will be prepared to supplement students understanding the information disseminated in these articles and videos.

## 1 Article

The following articles could be searched and downloaded from the Internet. The article authored by Korinek and Stiglitz is a long paper. The article authored by Micheal I. Jordan is a key paper to be taught in the course. Students should be noted that, except the article form Korinek and Stiglitz, these articles are not academic research-oriented articles.

1. Cathal O'Connell, AI learns Nobel prize-winning quantum experiment, *Cosmos Sciences*, May 2016. Available from: <https://cosmosmagazine.com/physics/ai-learns-nobel-prize-winning-quantum-experiment/>.
2. Erik Brynjolfsson and Andrew McAfee, The business of Artificial Intelligence, *Harvard Business Review*, Digital Article, 1-20, July 2017.
3. Justin McCurry, Japanese company replaces office workers with Artificial Intelligence, *The Guardian*, January 2017. Available from: <https://www.theguardian.com/technology/2017/jan/05/all>.
4. Anton Korinek and Joseph E. Stiglitz. Artificial intelligence and its implications for income distribution and unemployment. *National Bureau of Economic Research(NBER) Working Paper*, No. w24174, Dec 29, 2017. Available from: <https://www.nber.org/papers/w24174.pdf>.

5. Michael I. Jordan, Artificial Intelligence – The revolution hasn't happened yet, *Harvard Data Science Review*, 1(1), July 2019. Available from: <https://hdsr.mitpress.mit.edu/pub/wot7mkc1>.
6. Xuemin Shen, Romano Fantacci, and Shanzhi Chen, Internet of Vehicles, *Proceedings of the IEEE*, Vol.108(2), pp.242-245, February 2020.
7. Wikipedia contributors, Deepfake, *Wikipedia, The Free Encyclopedia*, Available from: <https://en.wikipedia.org/wiki/Deepfake>.

## 2 YouTube Videos

The following videos delineate the applications of AI and robotic technologies in various disciplines. The videos are narrated in layman English. Students should have no problem to get the information from these videos. Their URLs are specified as follows :

<https://www.youtube.com/watch?v=xxxxxxxxx>.

The string of 'x' corresponds to the video ID. The contents of the videos and their IDs are listed below.

1. Walmart Robot, v=\_PErP8gG1i4.
2. Carrot Harvesting, v=xDsZC-s6V9g.
3. Rice Box Production, v=NT2FZ5PbdhI.
4. BMW Car Factory, v=VpwkT2zV9H0.
5. Deep Learning Research and the Future of AI, v=5BrNt380raE.
6. Amazon Fulfillment Center, v=dAXdeqcHBp4.
7. Movie Trailer Generation, v=gJEzuYynaiw.
8. Brain-Computer Interfaces for Rehabilitation, v=ZpTgdQEJc6I.
9. Integrating Brain-Computer Interface with AR and VR, v=fn9eBJFvSuA.