

The World Summit of the Committees of the Future 2022

Introduction and remarks on the AI demonstration

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Distinguished Members of Parliament,
Ladies and gentlemen,

I am honored by the opportunity to address this meeting. I was asked to demonstrate the capabilities of artificial intelligence in imitating human presentation. I selected three publicly available AI products. One I asked to write a speech for you. The other I asked to draw illustrations for the speech. Third AI I asked to animate and give voice to a talking head to present the speech to you.

The speech text you will hear is generated by GPT-3, an AI which was taught two years ago by Wikipedia, huge number of online scientific articles, popular articles, literature classics and online discussions. The resulting neural network consists of 175 billion parameters. Researchers have even larger and more capable, truly multilingual systems in development, but it is GPT-3 that is today available for anyone.

I described to GPT-3, who is supposed to give this speech, how she speaks, who inspired her, and to whom she gives her speech. I also added a brief outline of the required speech. This following speech is based on these inspirations, but 100% written by GPT-3. I did delete repetition, but I did not alter the order of sentences or chapters and I did not add or change a single word of AI in the resulting speech.

The illustrations behind the speaker are produced by AI called Dalle 2. For each picture I gave a textual description. I described the topic and style I needed for adding power to each chapter of the speech.

In the third phase, I copied the GPT-3 generated speech text and Dalle 2 generated illustrations to a third AI, called Synthesia. After me selecting a face and a suitable voice, Synthesia generated this speech for you:

An now -AI (Earth Mother, Gaia) speech:

Explanation: What you saw was produced with three rather cheap commercial services. I also have similar open access products that almost match the same quality and run on my own computers. They can produce near movie quality 3D animation where simulated people do and speak what I wish them to do. This all will be automated further. Soon you can have video conversations in any language with various AI's.

We have entered the age of fake videos. Using only pictures and voice samples or video clips, anyone can be imitated. This can even be done in real time video conferences. We can no longer rely on what we see. This also enables anyone to create powerful speeches and commentary, participating in any topic.

There are threats. But there are positive visions too. We can combine all cultural richness. We can use it, not like we use libraries, but like we use experts. We can ask AI to answer like a certain known person would most likely answer. We can ask AI to take our values and culture into account when answering to us. For the past two years I have experimented and noticed these AI:s can be controlled by their users.

This technology empowers citizens pursuing their own interests, educating them when they wish to be educated. Like teaching a person to read, then allowing her to access the library and providing a master librarian to answer questions, comment on problems, suggest reading.

We need to steer this in a way where it truly empowers people if we wish to promote democracy. We should try to avoid situation where this becomes means to control and manipulate people. It should be transparent to users what kind of information has been fed and what motivation AI is using. Preferably the inspirations should be fed by each user according to their own values, like I demonstrated here.

AI is a powerful tool much like writing was when invented. During this decade it will be decided whether it is used by the people according to their individual values or according to corporate or governments values. Thank you!