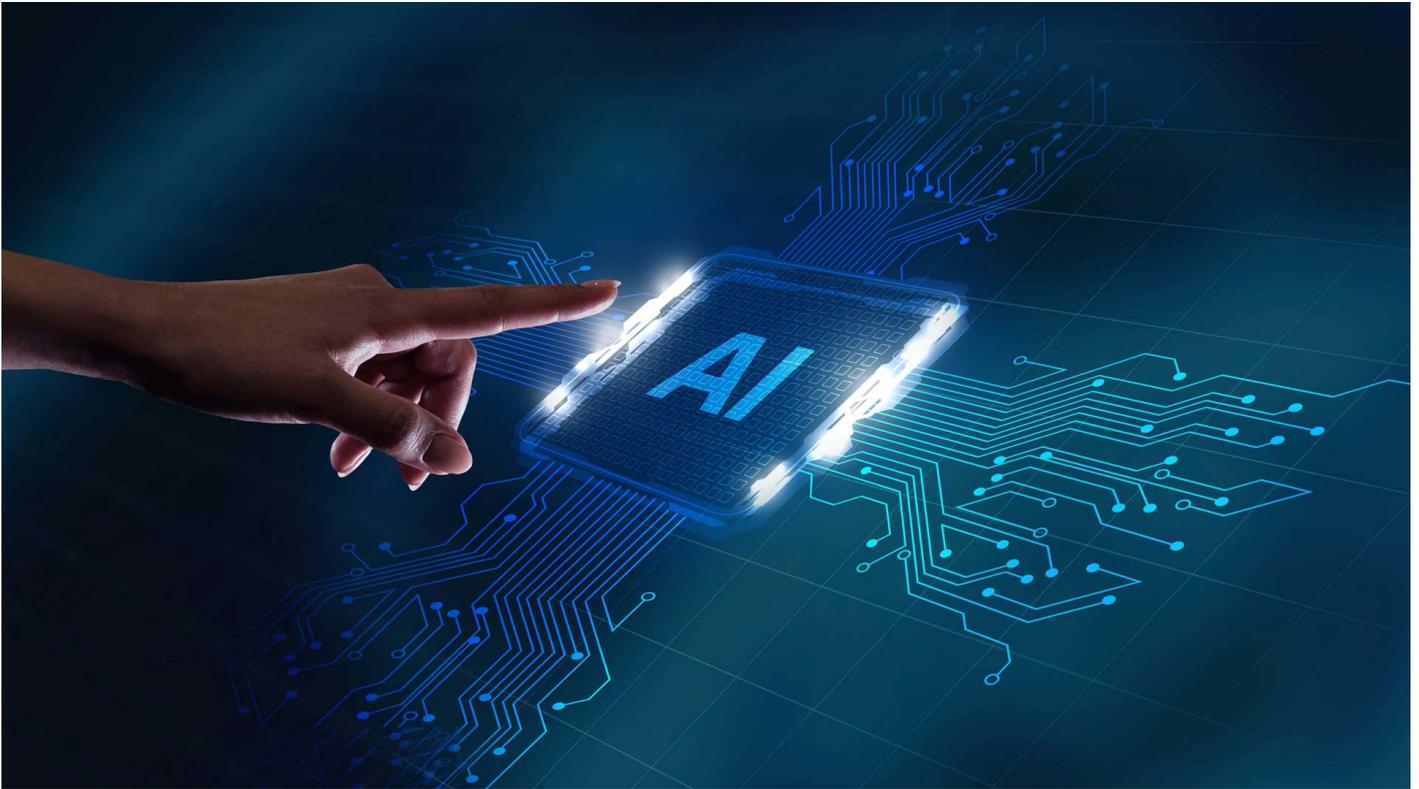


# How to attack the dark side of AI through education



**Rose Luckin** from the Institute of Education at University College London and [Director of EDUCATE](#), a London hub for startups in educational technology (EdTech), **compares artificial intelligence (AI) to opening up the ‘black box’ of learning.**

*“90% of teachers in the UK have used some **educational technology** —which they had never used before— and would recommend it to a colleague,” she says.*

Even though it’s a technology that can help make sense of data, how can we protect privacy?

This question raises further questions and **EdTech** experts discuss them during an interview at the [International Conference on Educational Innovation \(CIEE\)](#).



Rose Luckin

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### **Artificial intelligence will never surpass human intelligence**

AI gets a lot of negative publicity, especially from science fiction movies. *“But **this technology will never surpass human intelligence**, because ours is much more complex,”* says Luckin.

The systems we have **now are smart**, but in much more specific ways. For example, an autonomous vehicle can’t play chess, and a chess engine can’t drive a car. AI is very **specific in its application**, she explains.

*“When we program machines, the most difficult part is getting them to do the things we take for granted, society’s unwritten rules,”* she explains. For example, they can’t handle interpersonal relationships the way we handle them.

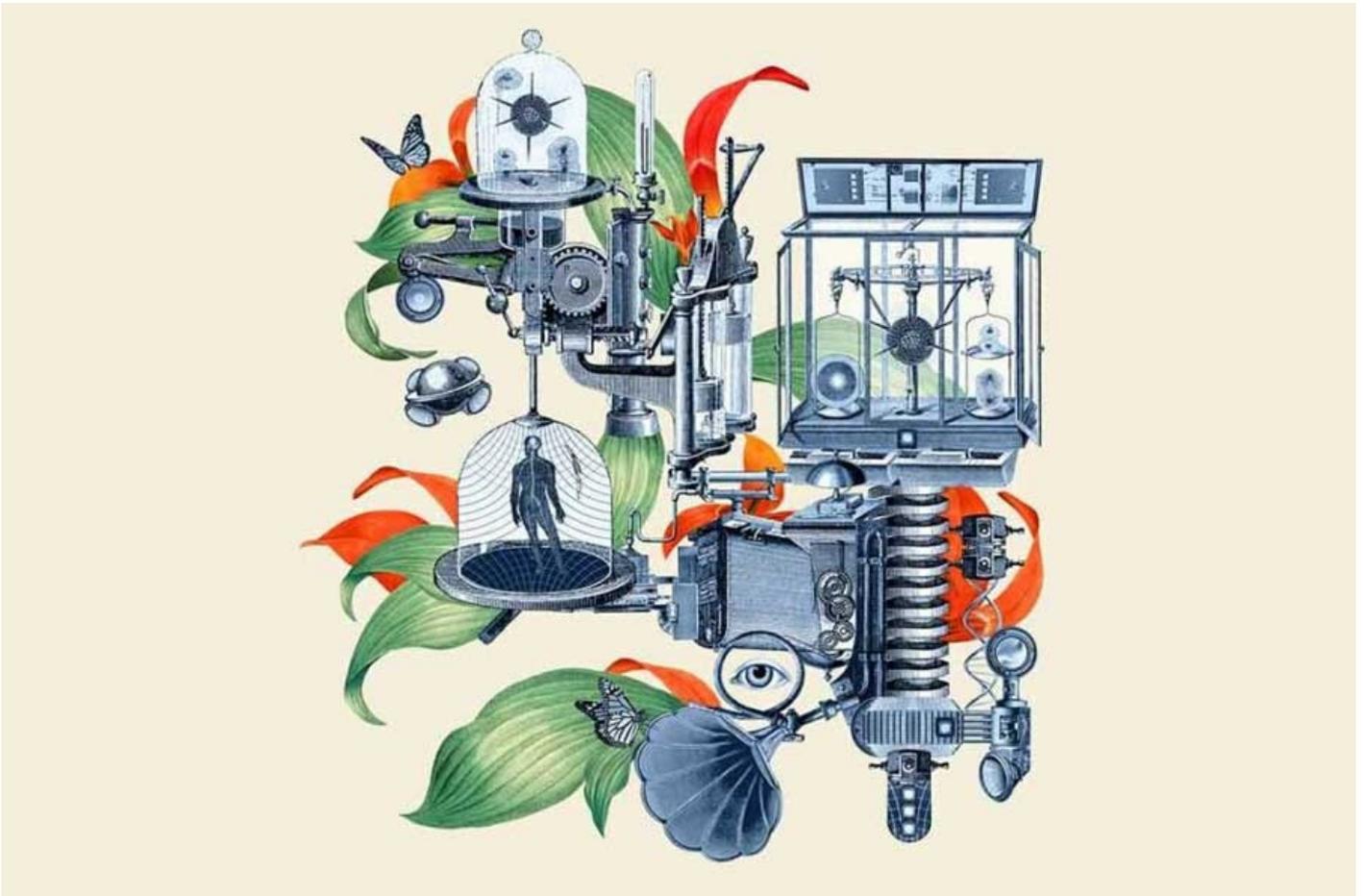
AI isn’t good for developing deep and meaningful relationships with other humans, and **relationships are very important for delivering quality messages in education.**

### **What can AI improve?**

So, it’ll never replace us, but it will improve certain aspects. *“It’s good for **reliable processing of large amounts of information**, something that humans have a hard time with.”*

**Avi Warshavsky**, founder and CEO of [MindCET EdTech Innovation Center](#) and member of the board of directors at the Israel Center for Educational Technology, gives a further example.

*“AI can be used very well for language learning because the machine isn’t judging, and it’s a great way to learn. It’s a **system of dialog without judgment.**”*



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### **What will happen to our data?**

AI is data-driven. It uses data **to analyze, solve problems, identify patterns, and more.**

The first step in explaining to people what will happen to their data is *“empowering them. We need to educate them, help them understand what AI is, why it needs data, and what it can do with it,”* explains Warshavsky.

That way, it will be easier for them to decide if they want their information to be used. This is known as the **ethical application of artificial intelligence.**

However, there are many questions. He warns that EdTech specialists need to ask themselves very carefully **what they’re accumulating data for.**

For example, every time researcher Luckin decides to work with data, she runs her decision by an **ethics committee.**

In fact, in 2018, Luckin and Anthony Seldon founded the [Institute for Ethical Artificial Intelligence in Education](#) in the UK, so that laws are respected, and an agreement regarding data protection exists between Europe and the UK.

One of the solutions they've applied is **to program AI to learn behaviors anonymously**.

*“This technology will never surpass human intelligence, because ours is much more complex.” - Rose Luckin*

### **Tec de Monterrey's eighth annual CIIE**

Tec de Monterrey's **eighth annual [International Conference on Educational Innovation](#)** was held **in a hybrid format from December 13 to 16, 2021**.

*“(The **CIIE**) has established itself as an **outstanding space** for the **meeting of professionals** from different parts of the world... We involve everyone who shares the **responsibility** of creating the future of education,”* said José Escamilla, director of the Tec's Institute for the Future of Education.

This year, more than **5,000 attendees** from 34 countries participated.

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