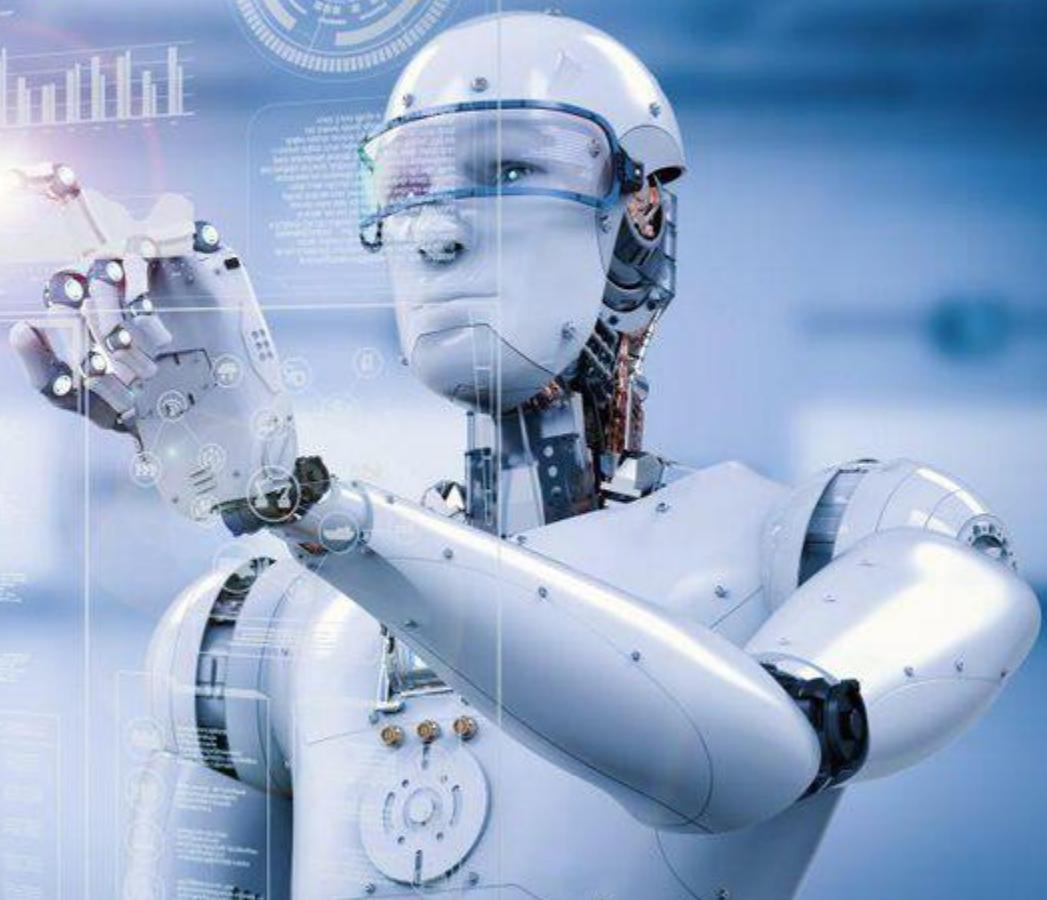


# Inovación Inteligencia Artificial Etica

Cristina Yáñez



[www.linkedin.com/in/cristinayanez1](https://www.linkedin.com/in/cristinayanez1)





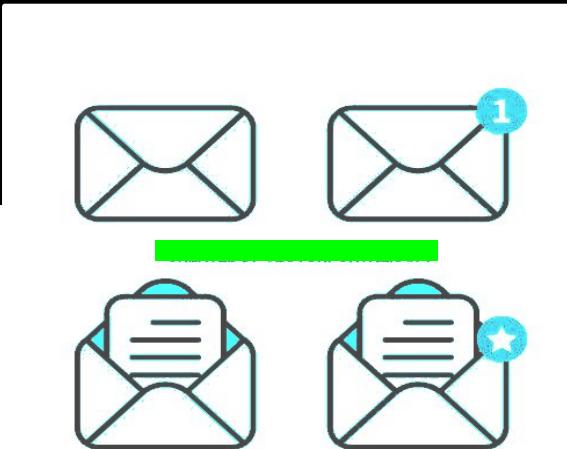
# Innovación

1642	First mechanical calculating machine built by French mathematician and inventor Blaise Pascal.	
1837	First design for a programmable machine, by Charles Babbage and Ada Lovelace.	
1943	Foundations of neural networks established by Warren McCulloch and Walter Pitts, drawing parallels between the brain and computing machines.	
1950	Alan Turing introduces a test—the Turing test—as a way of testing a machine's intelligence.	
1955	'Artificial intelligence' is coined during a conference devoted to the topic.	
1965	ELIZA, a natural language program, is created. ELIZA handles dialogue on any topic; similar in concept to today's chatbots.	
2009		
2002		
1997		
2011	Google builds the first self-driving car to handle urban conditions.	
2011-2014	iRobot launches Roomba, an autonomous vacuum cleaner that avoids obstacles.	
2014		
2016	Computer program Deep Blue beats world chess champion Garry Kasparov.	
2018	Edward Feigenbaum creates expert systems which emulate decisions of human experts.	
IBM's Watson defeats champions of US game show Jeopardy!	Personal assistants like Siri, Google Now, Cortana use speech recognition to answer questions and perform simple tasks.	
Ian Goodfellow comes up with Generative Adversarial Networks (GAN).	AlphaGo beats professional Go player Lee Sedol 4-1.	
Most universities have courses in Artificial Intelligence.		



Usos más comunes en nuestro día a día

# Correo electrónico



Inicialmente



Ahora

# Compras en línea



Al principio

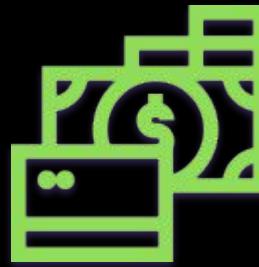


Ahora



Miles de millones de operaciones a nivel mundial

# Evolución lleva a nuevas consideraciones



# Accesos



Equipos



## Conectividad y transferencia de información



Internet Service Providers



Hackers & Snoopers



Governments

Actualmente con más opciones y conexiones



# Ética en IA





**“En principio tenemos un acuerdo.**

**La pregunta es:**

**¿Tenemos todos los mismos principios?**

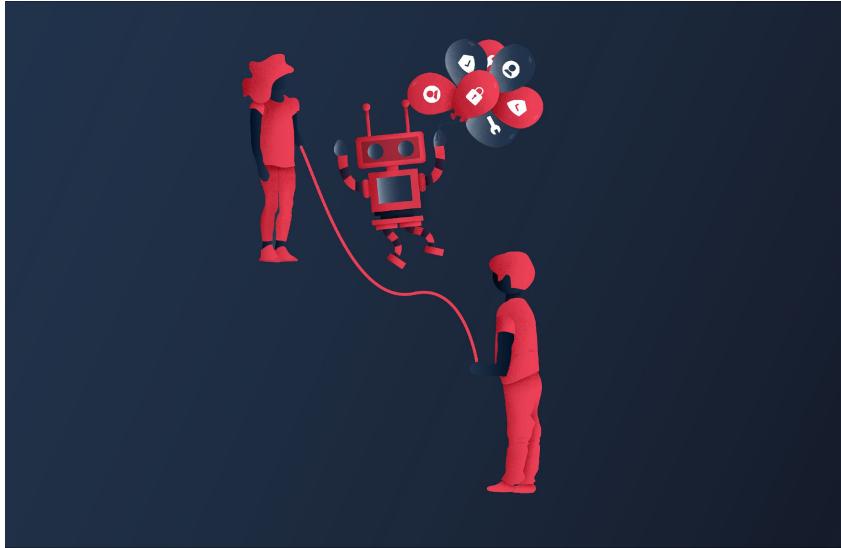
A close-up photograph of a butterfly with patterned wings resting its wings on the fingers of a highly articulated, metallic robotic hand. The hand is made of various silver and black components, including what appear to be actuators and sensors. The background is a soft-focus green, suggesting an outdoor environment.

Ética en la  
tecnología  
se ha vuelto más  
importante

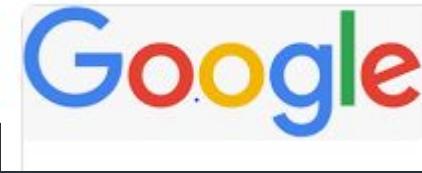
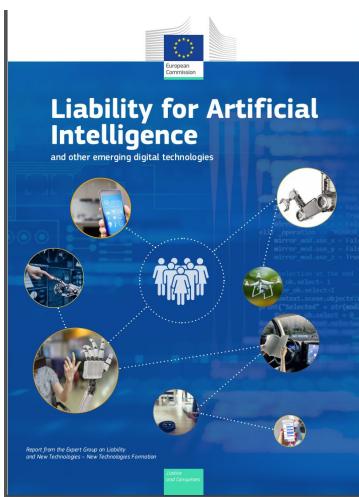


A photograph of two young children. A boy with dark hair and a blue and white striped shirt is standing behind a girl with long brown hair, wearing a pink turtleneck. He has his hands over her eyes, and she is looking towards a silver laptop screen. She appears surprised or curious.

Etica: Transparencia,  
Cuidado, Honestidad,  
Diversidad, Valor, Robusta.



Un ambiente seguro



**IEEE ETHICS IN ACTION**  
in Autonomous and Intelligent Systems



Empresas y organizaciones que ya están trabajando en ésto





¡ROBOTS!

# Cambios Laborales Robots vs. Humanos





AI code  
of ethics



ctrl

alt

shift