

Inteligência Artificial

na transição digital

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Conflitos de interesse

Declaração

Declaro não ter quaisquer conflitos de interesse de ordem comercial, académica, política ou financeira para com os produtos/soluções de seguida apresentados.

Esta apresentação resulta de um ponto de vista individual com base em pesquisa e análise realizada independentemente.

As observações são inteiramente minhas e não são influenciadas por incentivos financeiros ou outros.

Where is home?

as of 2024



UNIVERSIDADE
BEIRA INTERIOR

-  Current home
-  Forever home
-  Not home





Where is home?

as of 2024



UNIVERSITÉ
DE GENÈVE

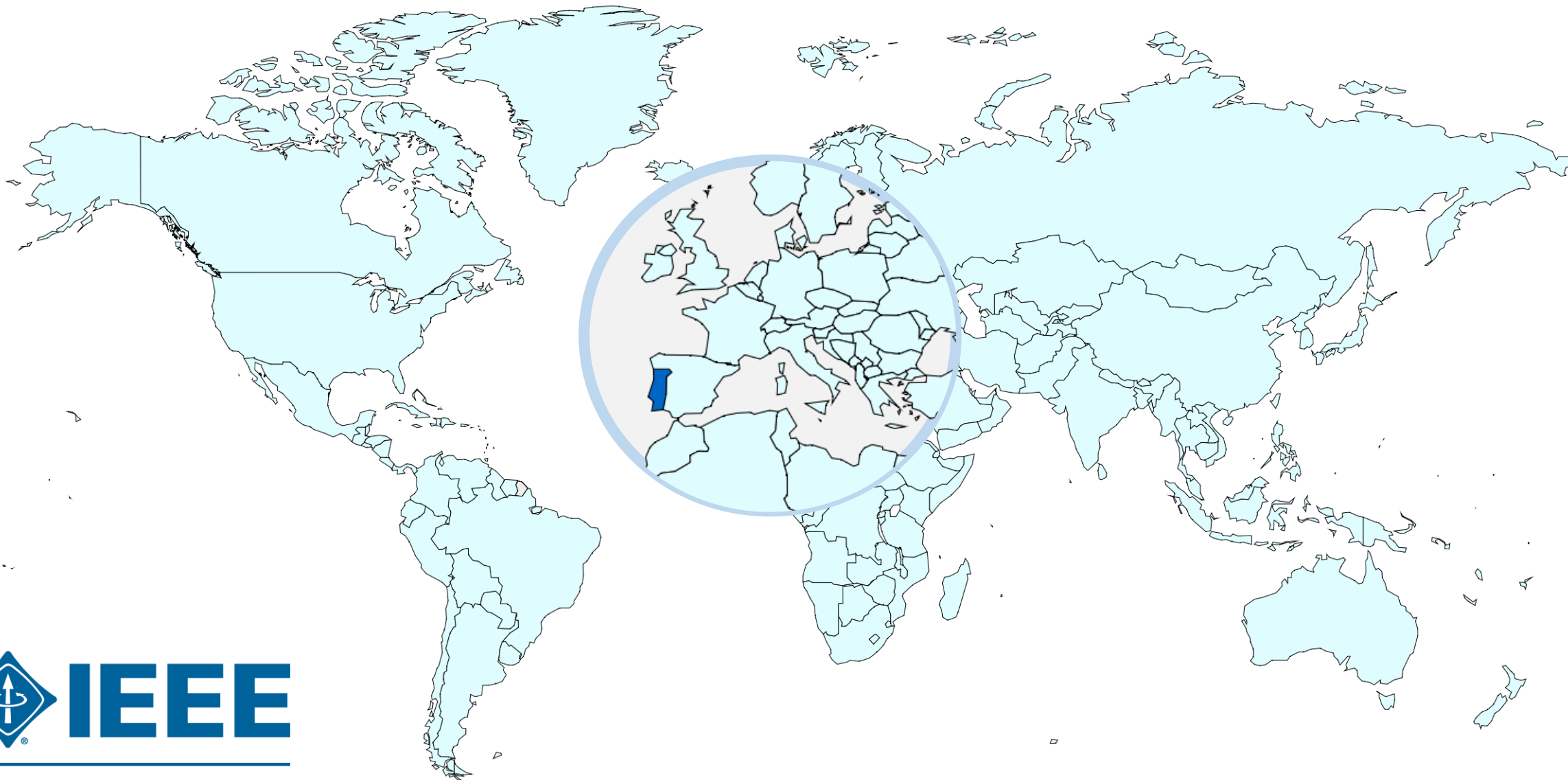
- Current home
- Forever home
- Not home











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Inteligência Artificial

Nascida nos anos 50

“Can machines think?”

Alan Turing, 1950

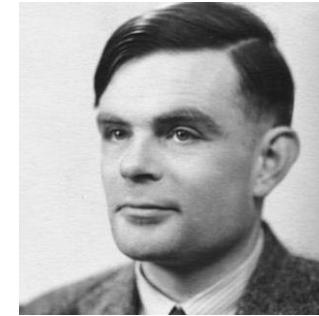
Máquina ou processo com a capacidade de

Planear

Aprender

Ser criativa(o)

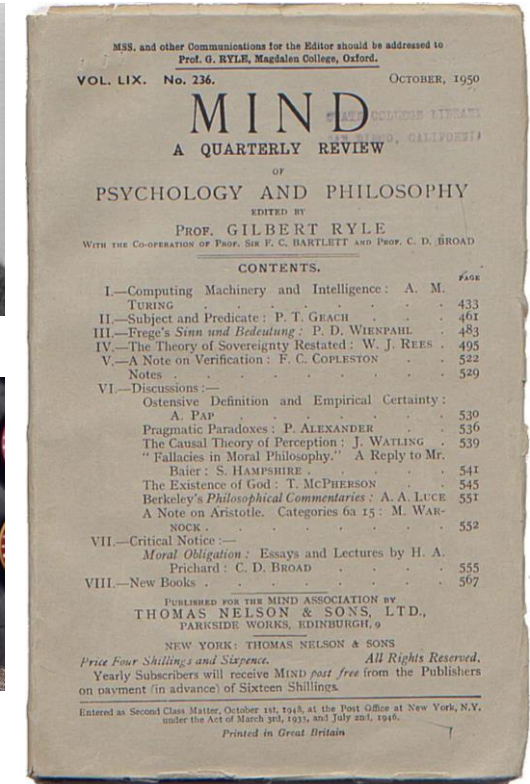
Raciocinar



Alan Turing



Benedict
Cumberbatch

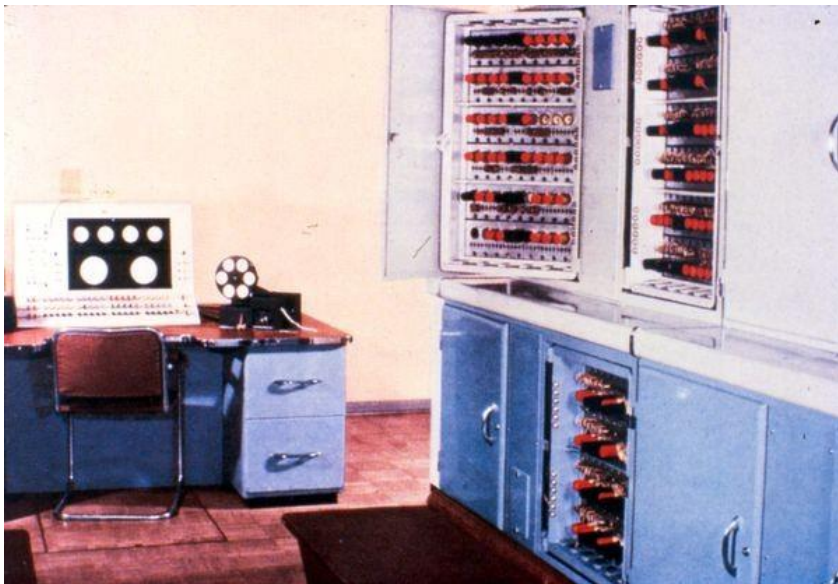




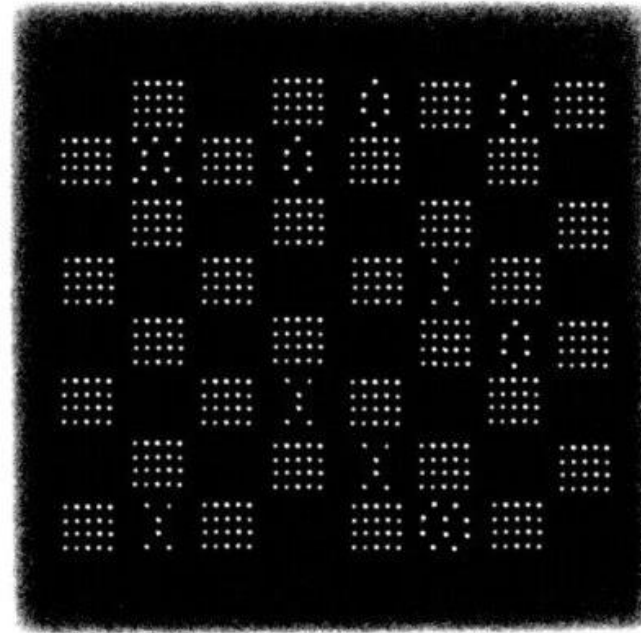
Um jogo de Damas e Xadrez

Como tudo começou em 1951

Christopher Strachey
Dietrich Prinz

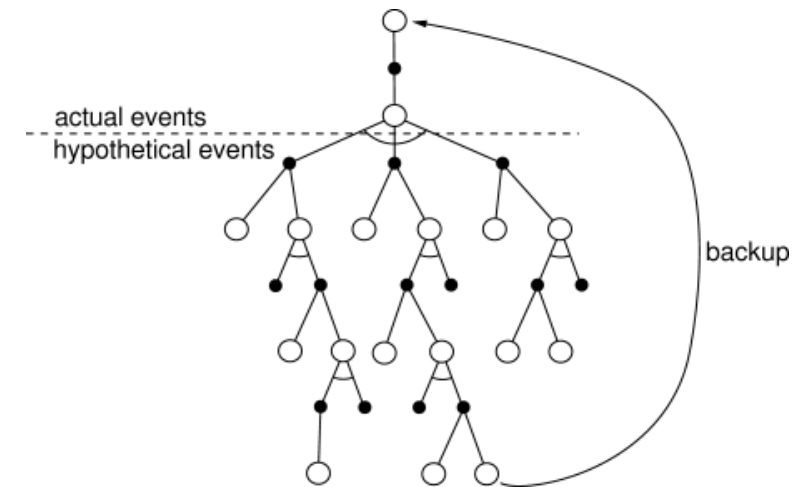


Ferranti Mark I, University of Manchester



Arthur Samuel

e evoluiu em 1952 e 1955





**Artificial
Intelligence**

**Machine
Learning**

**Deep
Learning**

Imita o comportamento de um ser humano
(faz o que é programado para fazer)

Imita e aprende com a experiência
(programado para aprender logicamente)

Aprende “como” um cérebro humano
(aprende de forma não explícita)



**Artificial
Intelligence**

**Machine
Learning**

**Deep
Learning**

MBUX Voice Assistant



It understands you perfectly.



**Artificial
Intelligence**

**Machine
Learning**

**Deep
Learning**

PREDICTIVE MAINTENANCE IN THE AUTOMOTIVE INDUSTRY

UNLOCKED GREATER EFFICIENCY WITH MACHINE LEARNING

MACHINE LEARNING

PREDICTIVE MAINTENANCE

<https://sigmatechnology.com/case/predictive-maintenance-in-automotive-industry/>

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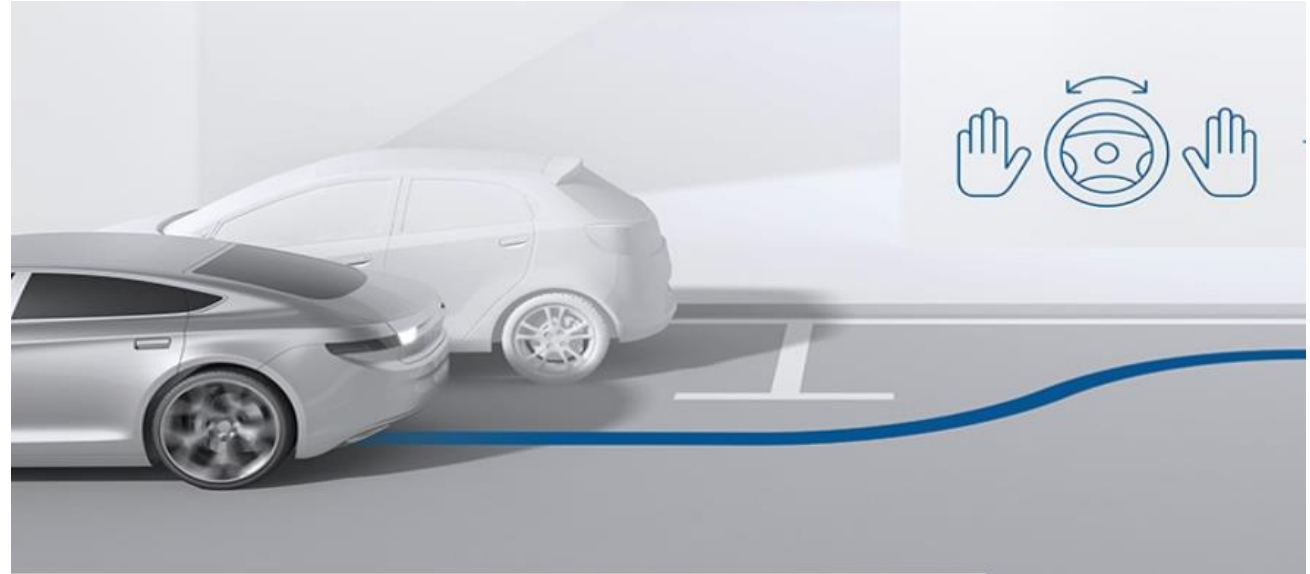




**Artificial
Intelligence**

**Machine
Learning**

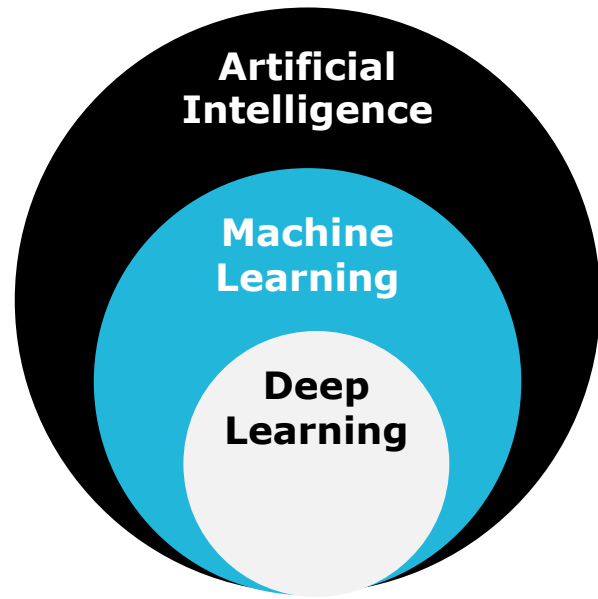
**Deep
Learning**

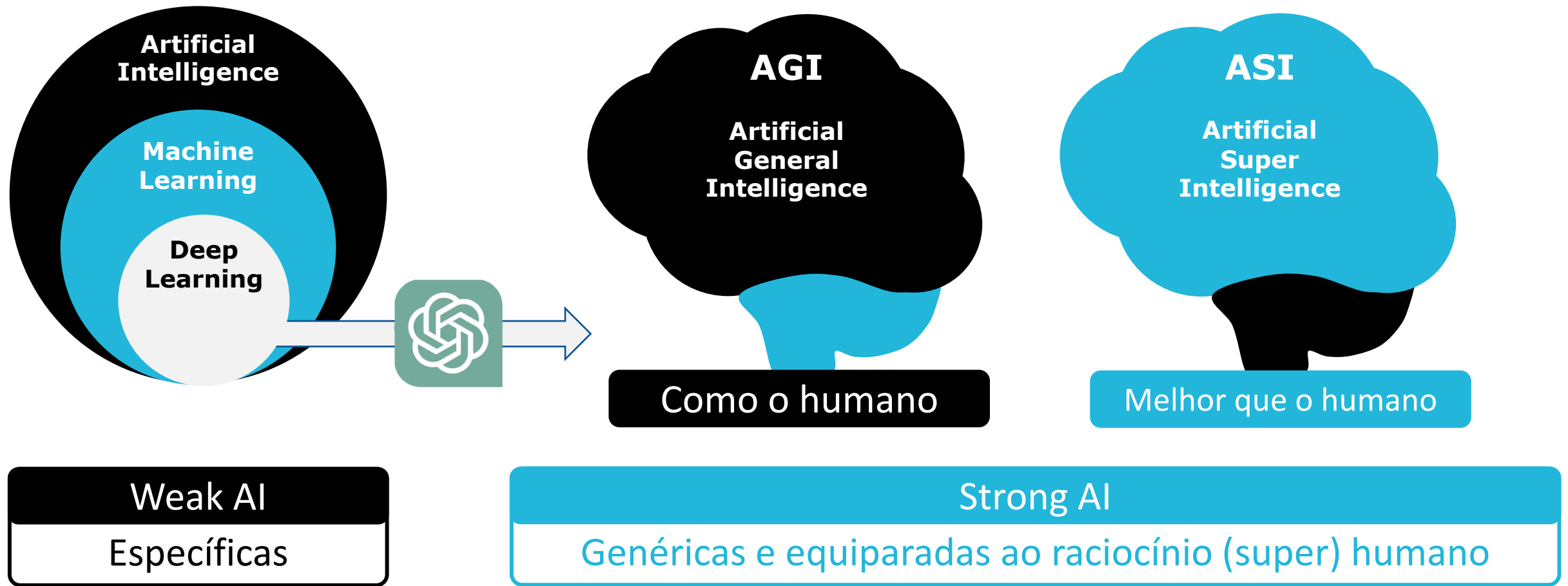


#driver assistance system #parking #maneuvering #ultrasonic sensor

Park assist

Ultrasonic sensors scan the side of the road and the park assistant steers the vehicle even in tight parking spaces





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Digitalização: impulsionar a transição para uma mobilidade inteligente e sustentável

A UE apoia o setor dos transportes através da implantação de novas tecnologias, a fim de se tornar mais limpa, mais segura e mais eficaz.

Como é que a digitalização tem impacto na mobilidade?

Os grandes progressos no domínio das tecnologias digitais, como a **inteligência artificial (IA)**, a **Internet das Coisas (IdC)**, a computação em **nuvem** e a **computação periférica** e as **redes 5G**,



© image by jonathanfilskov - Getty / iStock



Home > Next > Mobility

Sweden is building the world's first permanent electrified road for EVs to charge while driving



By Roselyne Min

Published on 09/05/2023 - 08:33 • Updated 06/07/2023 - 15:54

<https://www.euronews.com/next/2023/05/09/sweden-is-building-the-worlds-first-permanent-electrified-road-for-evs-to-charge-while-driving>



Climate & Energy | Industry Insight

Can artificial intelligence help wean city-dwellers from their cars?

By Catherine Early

December 18, 2023 4:08 PM GMT+1 · Updated 23 days ago



Industry Insight from Ethical Corporation Magazine, a part of Thomson Reuters.



<https://www.reuters.com/sustainability/climate-energy/can-artificial-intelligence-help-wean-city-dwellers-their-cars-2023-12-18/>



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City Modelling Lab

Improving transport planning by simulating everyone's day

Qual transporte é escolhido?

Porquê esse?

Escassez de dados, por agora

City Modelling Lab



Talk to Nick Bec about this service
Get in touch →

<https://www.reuters.com/sustainability/climate-energy/can-artificial-intelligence-help-wean-city-dwellers-their-cars-2023-12-18/>; <https://www.arup.com/services/digital/city-modelling-lab>

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Making Public Transportation Better. Together.

An end-to-end software platform for more equitable, sustainable, and efficient transportation services for agencies, operators, cities, drivers, and passengers.

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Tornar o transporte público confiável

Para que os carros fiquem em casa

4 mil cidades

IA no ajuste frequente dos serviços



Home ► Optibus involved in planning for 245 e-buses in Santiago de Chile



Optibus involved in planning for 245 e-buses in Santiago de Chile

RBU Santiago will add 220 electric buses to their operation in 2023. The company wanted to prepare early on for a range of EV-specific scenarios and challenges that may arise, including a lack of chargers, governmental restrictions on charging times, and the high cost of overnight charging. And it turned to Optibus, with a 6-month implementation [...]

3 April 2023 by Editorial Staff



IA no controlo de carregamentos

Diminui cargas excessivas

Pontualidade subiu 60% a 90%

500 cidades = - 11 M T CO2

<https://www.reuters.com/sustainability/climate-energy/can-artificial-intelligence-help-wean-city-dwellers-their-cars-2023-12-18/>; <https://www.sustainable-bus.com/news/optibus-software-rbu-santiago-electric-buses-chile/>



NOTRAFFIC

HOME HOW IT WORKS FUTURE OF MOBILITY ABOUT US MEDIA TRUSTED BY CAREERS

THE WORLD'S LEADING MOBILITY PLATFORM

IA identifica congestionamentos

Ajusta iluminação vertical

13 cidades nos EUA e Canadá

Congestionamento médio – 600 m.

<https://www.reuters.com/sustainability/climate-energy/can-artificial-intelligence-help-wean-city-dwellers-their-cars-2023-12-18/>; <https://notraffic.tech>



cruise

Rides

Delivery

Technology

Safety

Careers

About

Join the waitlist

We have temporarily paused driverless service. For more information, please see our latest [blog post](#).

Safety is our north star

Learn more

IA no controlo total

A rota ótima

Tecnologia pronta

Legislação não

<https://www.reuters.com/sustainability/climate-energy/can-artificial-intelligence-help-wean-city-dwellers-their-cars-2023-12-18/>; <https://getcruise.com>



Tech

Google reveals new ‘robot constitution’ to try and stop robots from accidentally killing humans

Without restrictions, robots could misunderstand humans’ intentions and accidentally harm them

Andrew Griffin • 6 days ago •  1 Comments



<https://www.independent.co.uk/tech/google-robot-constitution-humans-safety-b2473964.html>

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Armed with traffic cones, protesters are immobilizing driverless cars

AUGUST 26, 2023 · 7:01 AM ET



Dara Kerr



3-Minute Listen

+ PLAYLIST



<https://www.reuters.com/sustainability/climate-energy/can-artificial-intelligence-help-wean-city-dwellers-their-cars-2023-12-18/>; <https://www.npr.org/>



Generated with ChatGPT 4 on 12 January 2024.

"Vision for the mobility reality in 2100" by DALL E.

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DiH4 GLOBAL
AUTOMOTIVE

“Any sufficiently
advanced technology is
indistinguishable from
magic”

Arthur C. Clarke

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Obrigado