

L'intelligence Artificielle

Le futur nous rattrape !!!





Introduction

Veille Technologique

- COGGLE : <https://coggle.it/diagram/VVmeOJjCZdRQMZGq>
- PEARLTREES : <http://www.pearltrees.com/iapassmed>
- NETVIBES : <http://www.netvibes.com/privatepage/1#IA>
- ZOTERO : <https://www.zotero.org/iapassmed/items>
- BLOG : <http://blog.univ-angers.fr/casquesrealitevirtuelle/>
- SLIDESHARE : <http://fr.slideshare.net/?ss>

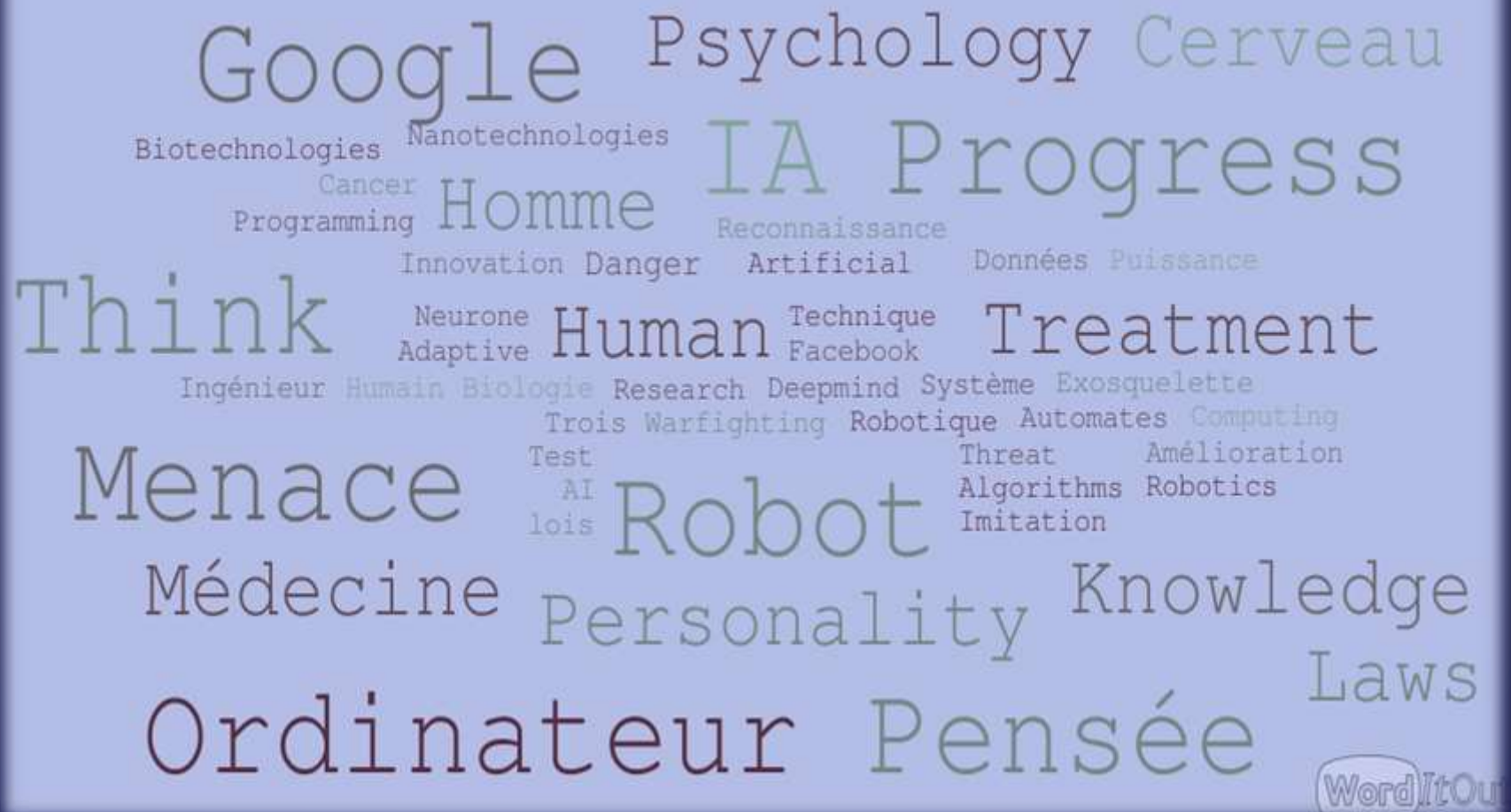
Plan

Introduction

- I. Avancées scientifiques et technologiques
- II. Ce que l'Intelligence Artificielle peut apporter à l'humanité
- III. Craintes et dangers

Conclusion

Définition





I. Avancées scientifiques et technologiques

Historique

Advances in artificial intelligence (AI) have given the world computers that can beat people at chess and "Jeopardy!," as well as drive cars and manage calendars. But despite the progress, engineers are still years away from developing machines that are self-aware. Some believe the resulting **technological singularity** will eradicate poverty and disease, while others warn it could endanger human survival.



1950: Isaac Asimov publishes the influential sci-fi story collection "**I, Robot**." (Left: 2004 film version of "I, Robot")

1950s



1950: Alan Turing introduces the **Turing test** in his paper "Computing Machinery and Intelligence." (Credit: National Portrait Gallery, London)



Summer of 1956: Dartmouth conference launches the field of AI and **coins the term "artificial intelligence."** (Right: room-filling IBM-702 computer, as used by first AI researchers)

1960s

1968: "2001: A Space Odyssey," the book by Arthur C. Clarke and film by Stanley Kubrick, features the sentient and deadly computer **HAL 9000**.

1974-early 1980s: The first **Winter of AI**, a period of reduced funding and lowered interest in the field as hype turned to disappointment.



1984: The first **"Terminator"** film depicts a near-future world overtaken by killing machines run by the artificial intelligence Skynet.

1970s

1978: The original **"Battlestar Galactica"** science fiction TV series introduces warrior robots called **Cylons**.



1987-93: The second **Winter of AI**

1980s

September 28, 1987: The TV series "Star Trek: The Next Generation" introduces the self-aware android **Lieutenant Commander Data**.



1990s



May 11, 1997: **IBM's Deep Blue computer** beats reigning world chess champion Garry Kasparov. (Credit: Shutterstock)

June 29, 2001: Steven Spielberg releases his version of a film – originally developed by Stanley Kubrick – about a robot boy: **"A.I.: Artificial Intelligence."**



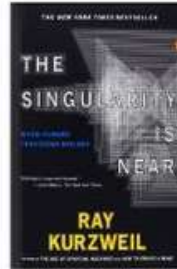
2011: **IBM's Watson wins "Jeopardy!"**, beating former champions Brad Rutter and Ken Jennings. (Credit: "Jeopardy!" screengrab from Wikimedia)



2000s

2005: A Stanford vehicle wins the **DARPA grand challenge**, driving autonomously across the desert for 131 miles (211 kilometers).

2005: Inventor and futurist Ray Kurzweil predicts an event he calls **the Singularity** will occur around 2045, when the intelligence of artificial minds exceeds that of the human brain.



2010s

October 14, 2011: Apple introduces intelligent personal assistant **Siri** on the iPhone 4S.



June 2012: A Google Brain computer cluster **trains itself to recognize a cat** from millions of images in YouTube videos. (Credit: Shutterstock)

December 18, 2013: The movie "Her" (left), stars Joaquin Phoenix as a man who **falls in love with his artificially intelligent computer operating system**, voiced by Scarlett Johansson.

April 10, 2014: The film "Transcendence" (below) stars Johnny Depp as an AI researcher whose **mind is uploaded to a computer** and develops into a super-intelligence.



June 7, 2014: Chatbot Eugene Goostman is said to have **passed the Turing test** in University of Reading competition, launching controversy.

August, 2014: Researchers call for creation of a **new Turing test**, to be decided at 2015 workshop.



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Où en est-on aujourd'hui ?

- Domotique et objets connectés
- Assistants vocaux
- Robotique
- Facebook et Google
- Exosquelettes

II. Ce que l'Intelligence Artificielle peut apporter à l'humanité

Domaines d'action

- Cosmologie : mission « Mars Pathfinder »
- Médecine
- Santé
- Vie quotidienne
- Recherches

III. Craintes et dangers

Science Fiction

- Ex-Machina
- Avengers
- IA Intelligence Artificielle
- I Robot
- Her
- Transcendance
- Matrix
- Terminator
- Tron
- Chappie

Crainte et Dérives

- Scénarios catastrophes
- Stephen Hawking et Bill Gates
- IA et conscience
- Application militaire

Conclusion

Répartition du travail

Guillaume :

Blog
Pearltrees
Coggle
Powerpoint

Léa :

Netvibes
Pearltrees
Zotero
Powerpoint

Oualid :

Zotero
Netvibes
Mots clés
Réseaux sociaux

Mots clés

FRANÇAIS :	ANGLAIS :
Intelligence	Artificial
Artificielle	Intelligence
IA	AI
Machine	Machine
Système	Human
Ordinateur	Technology
Test	Computing
Turing	Knowledge
Humain	Robotics
Neurone	Programming
Puissance	Research
Technique	Algorithms
Cerveau	Morality
Innovation	Conscience
Ingénieur	Transhumanism
Données	Psychology
Robot	Laws
Trois lois	Personality
Robotique	Think
Automates	Learning
Homme	Google
Reconnaissance	Facebook
Apprentissage	Deepmind
Pensée	Warfighting
Raisonnement	Danger
Imitation	Threat
Exosquelette	Adaptive
Nanotechnologies	Progress
Biologie	Treatment
Biotechnologies	Cancer
Amélioration	
Algorithme	
Menace	
Danger	
Médecine	

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- https://fr.wikipedia.org/wiki/Principaux_projets_et_r%C3%A9alisations_en_intelligence_artificielle

○ Réseaux sociaux :

- Pinterest
- Twitter

○ TPE :

- <https://sites.google.com/site/int3llig3nc3artifici3ll3/retrospective-de-l-histoire-de-l-ia>

Coggle

