

A Few Remarks on AI

Warm-up Talk

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Prologue.

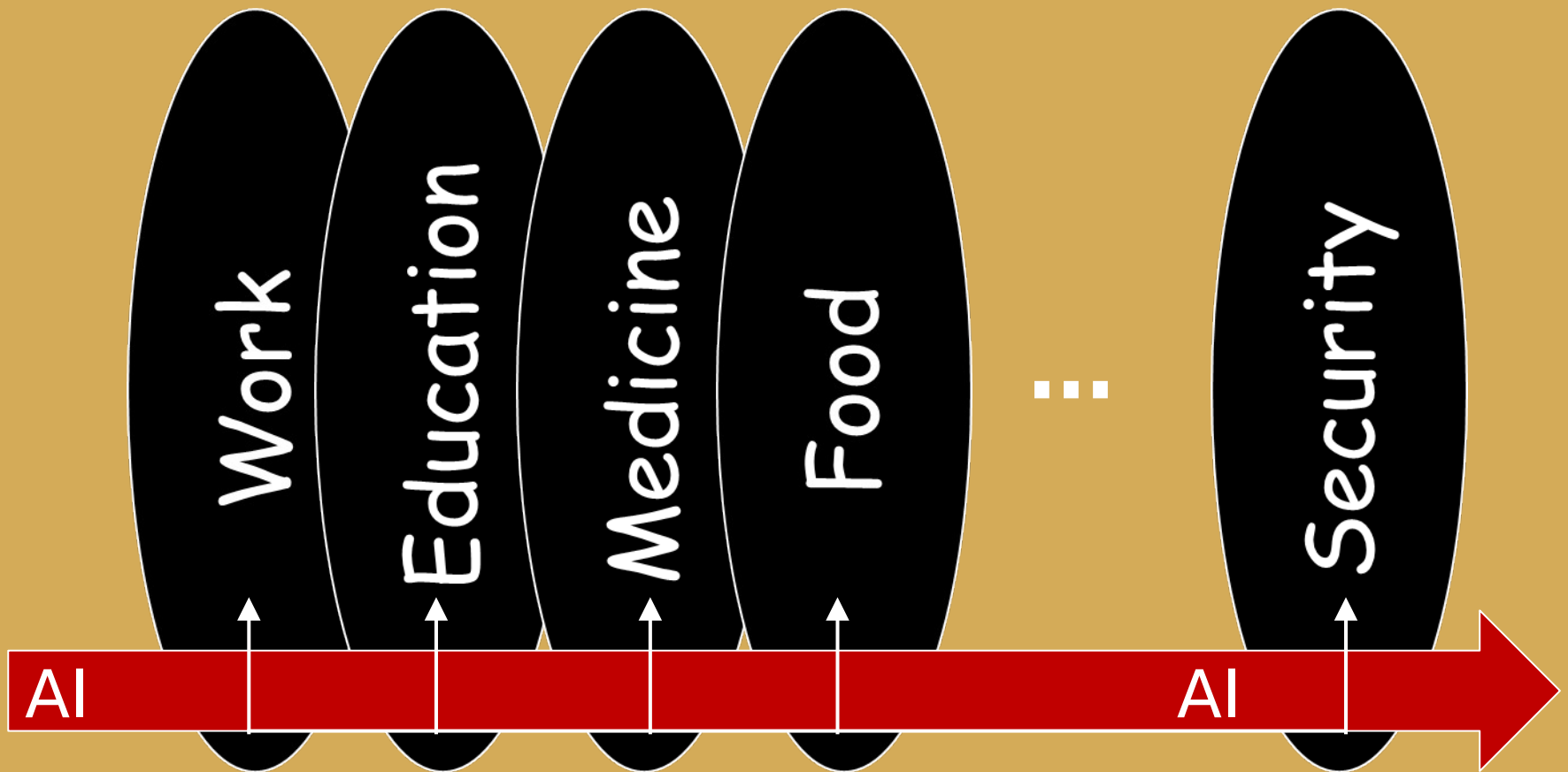
Question 😊



*My brain? That's my
second favorite
organ.*

—Woody Allen

AI is a Vehicle of Innovation Everywhere!



Artificial Intelligence.

Intelligence

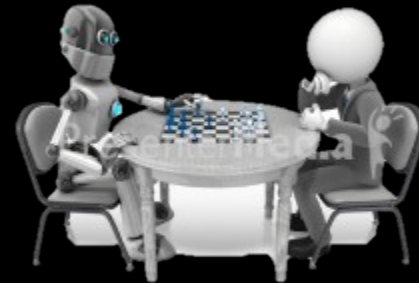
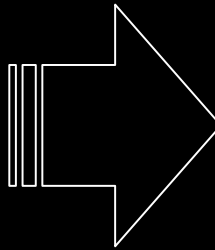
Organic

in vivo



Non-organic

artificial (in silico)



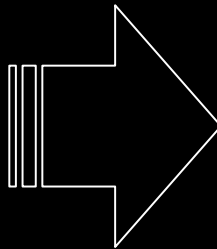
While devising AI
we tend to emulate
human intelligence.

Intelligence

Organic



- Knowing
- Reasoning
- Learning
- Understanding
- Adapting
- Acting
- Consciousness

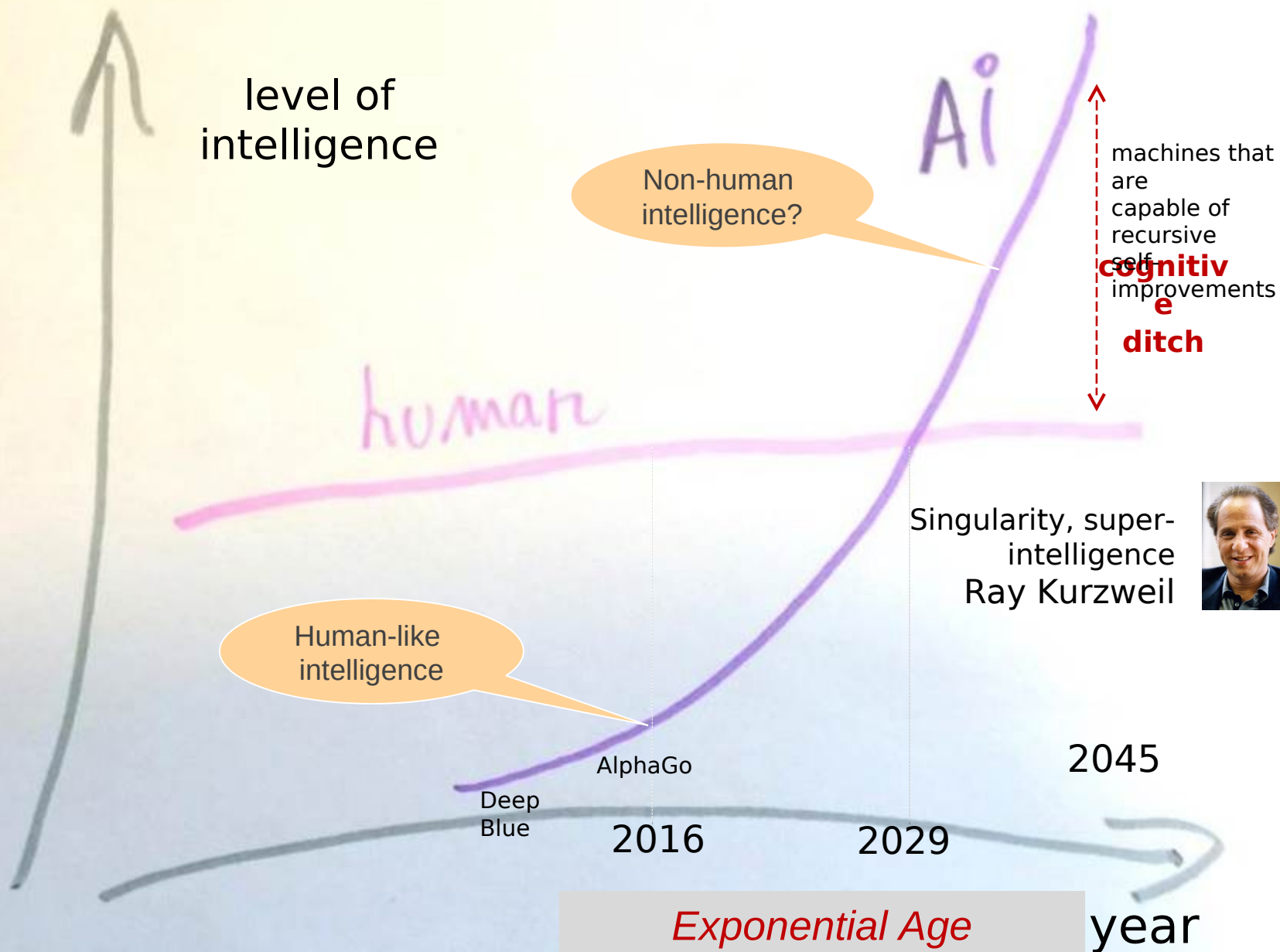


Non-organic

computers

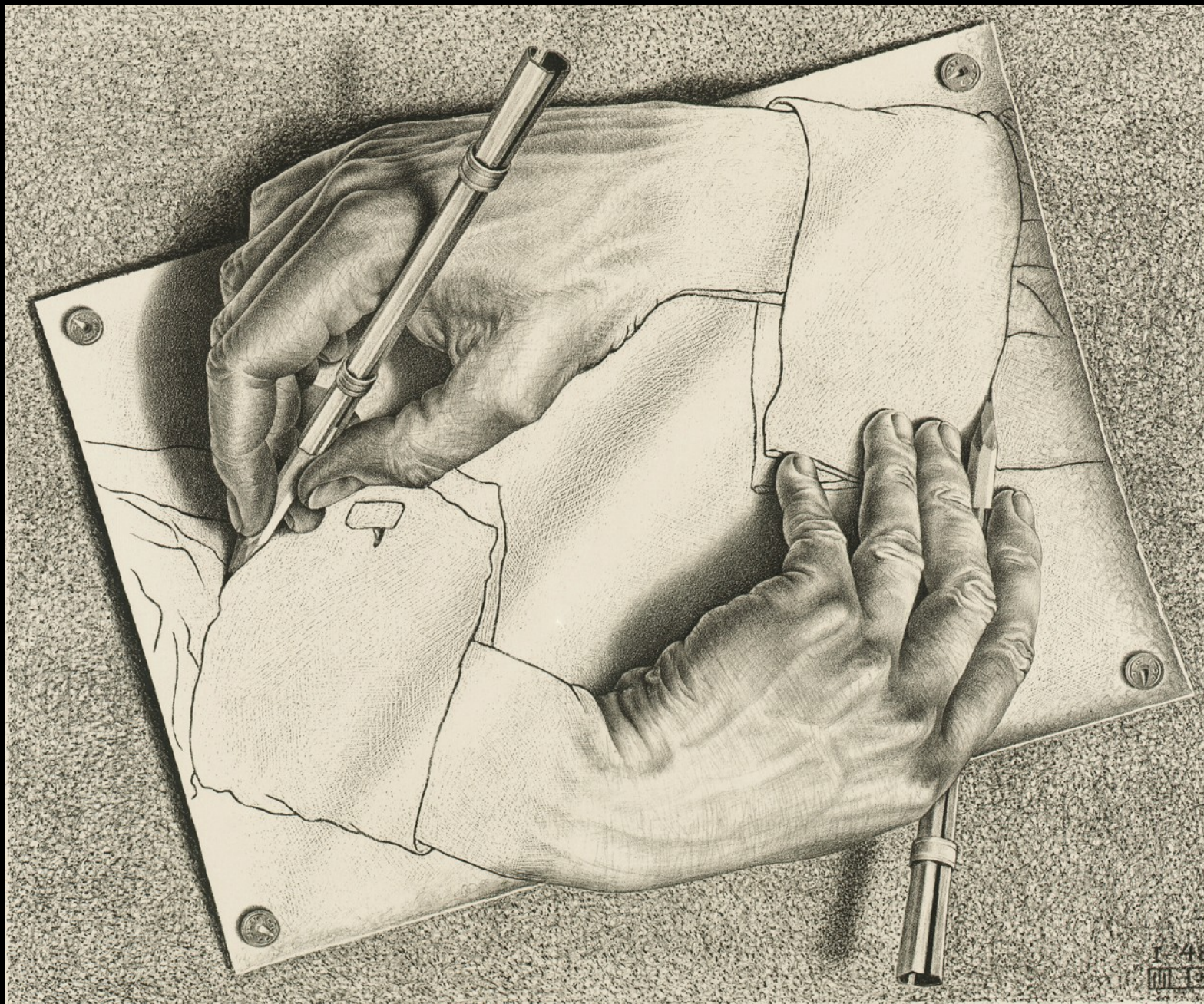


- ✓ Memory, data models
- ✓ Inference rules
- ✓ Machine learning
- ✓ Ontologies, semantic nets
- ✓ Sensors + computers
- ✓ Programs, robots
???





*The first ultraintelligent machine is the
last invention that man needs ever
make.*



Drawing hands, M. C. Escher, 1948

**How
We Implement AI.**



Questions

Answers

How
we Implement AI?

By devising and
experimenting with
**models that can learn
and reason**

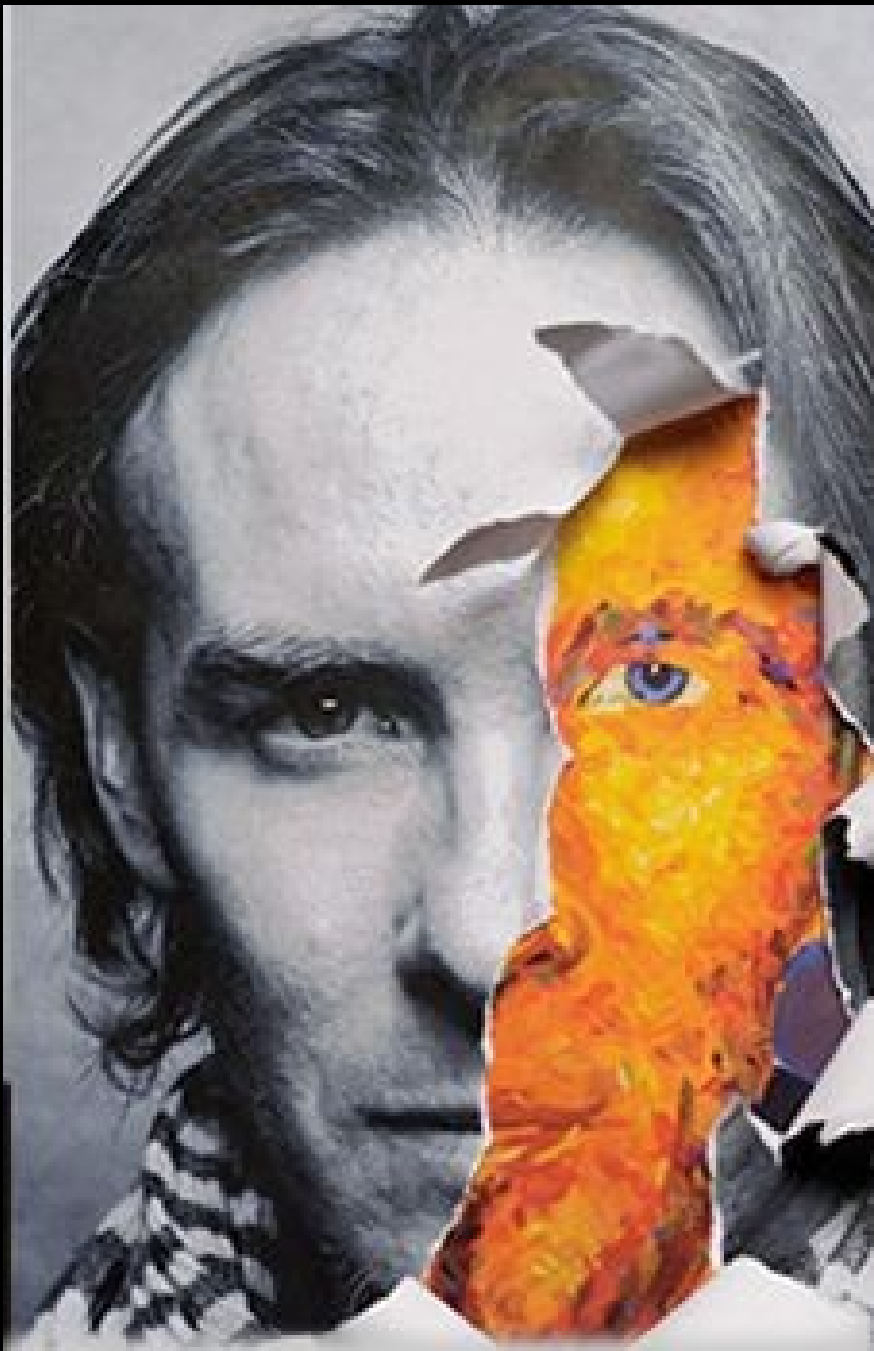
How to devise
and make
models?
Where to
experiment with
and run the
models?

We can grow them
organically or define
analytically

On **computer** platforms,
on a plethora of
domains and
applications



A Faustian Bargain?



AI is a
game
changer of
a human
condition
paradigm

Warning!



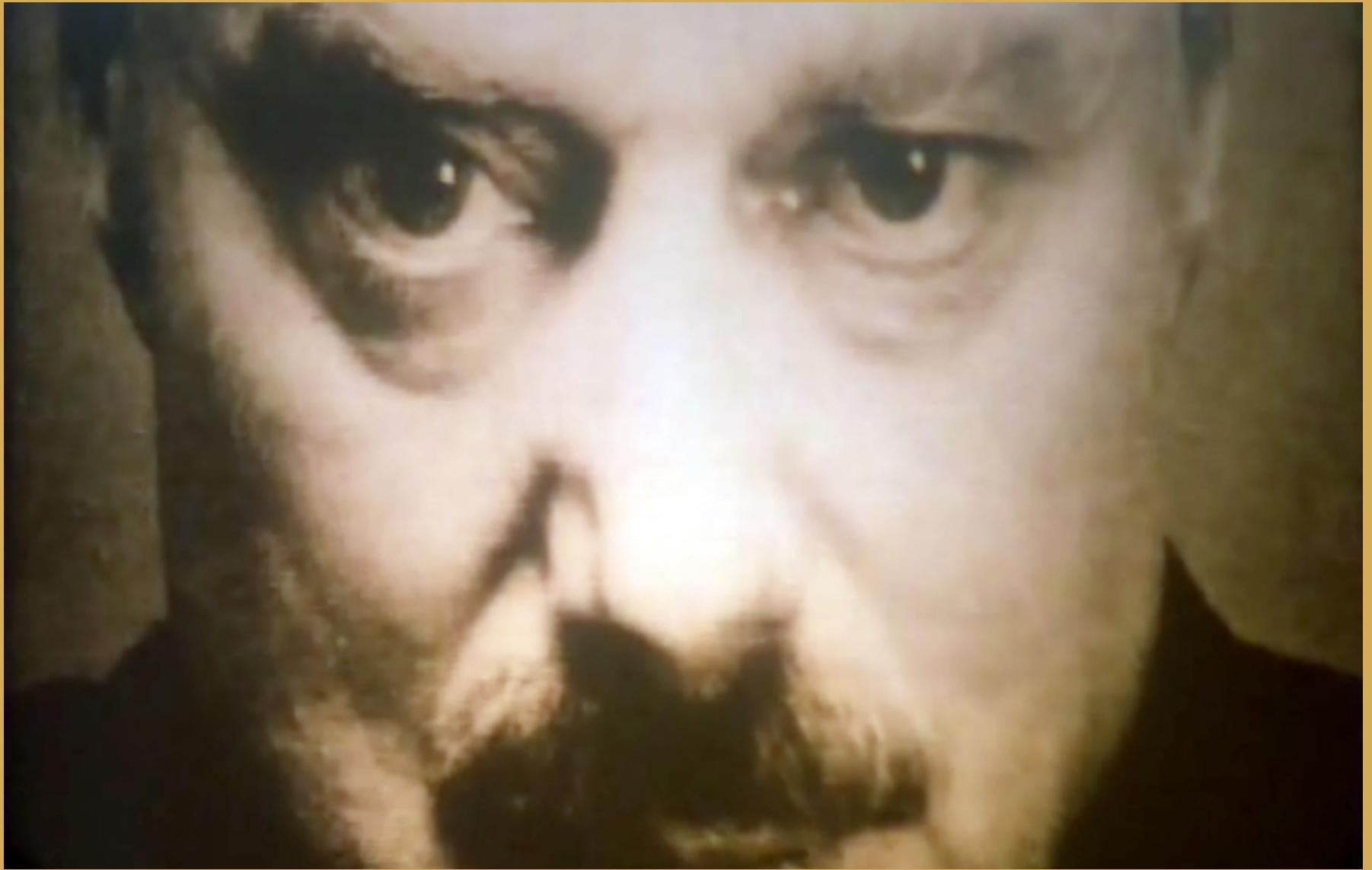
*By far the greatest danger of Artificial Intelligence
is that people conclude too early that they understand it.*

—Eliezer Yudkowsky



**Meaningful life with a
purpose**

David Hockney, Card Players



Orwellian Big Brother



I'm bored with it all.
— Winston Churchill

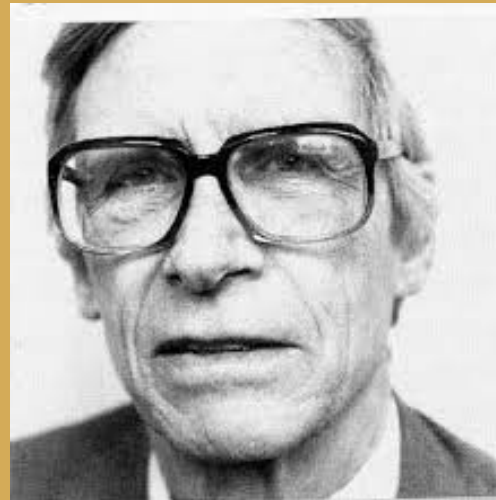
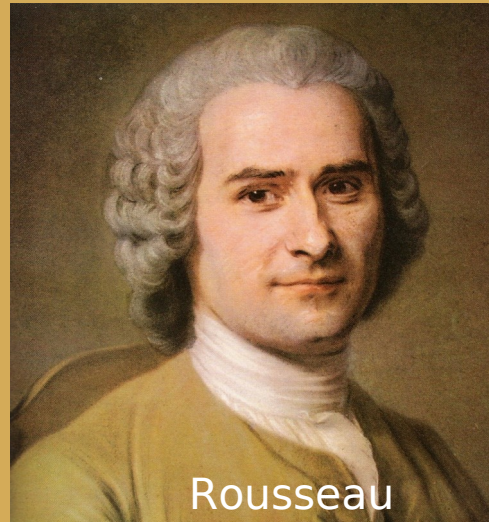
Boredom, Jane Ianniello

Epilogue.



Message:

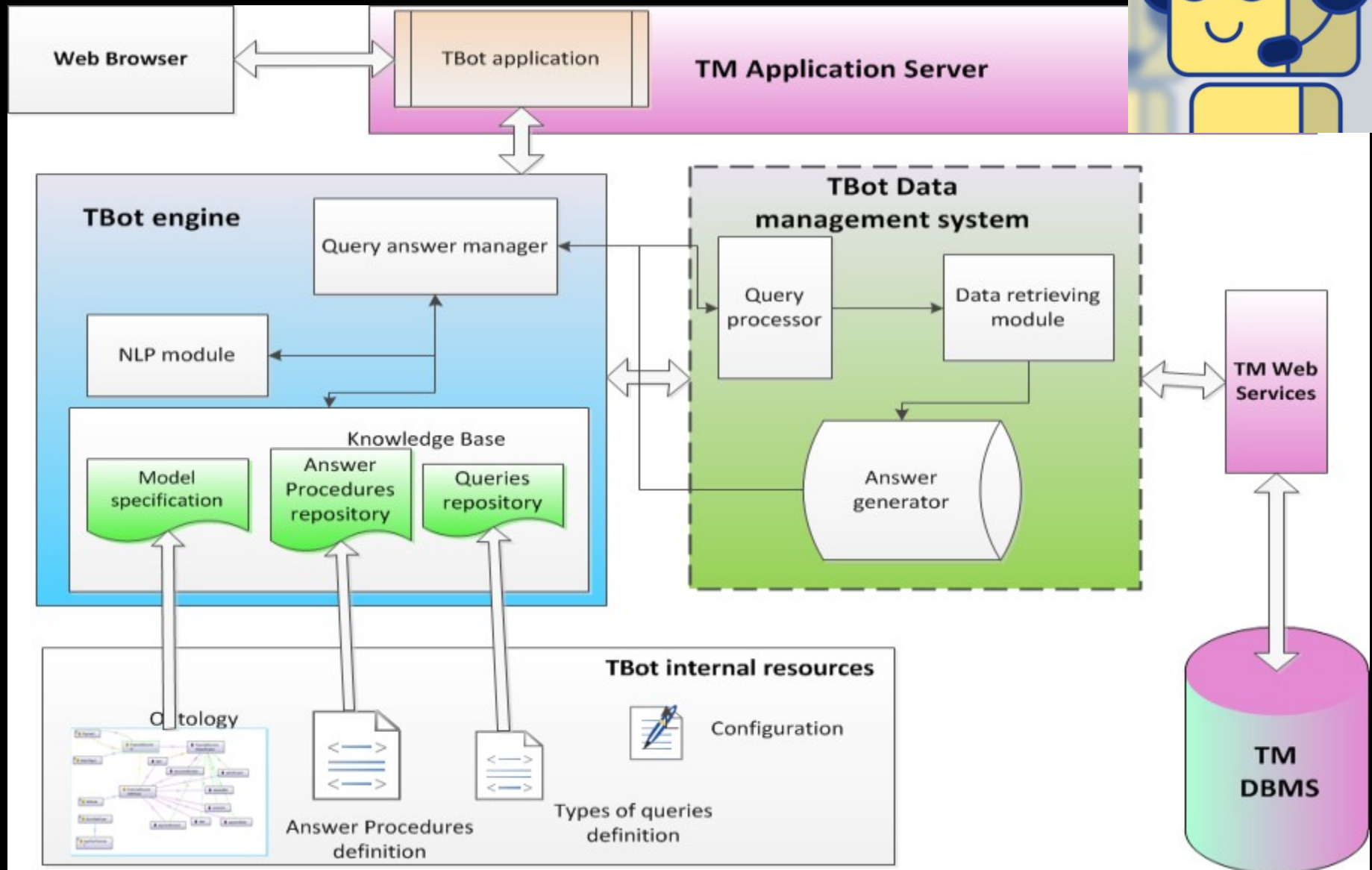
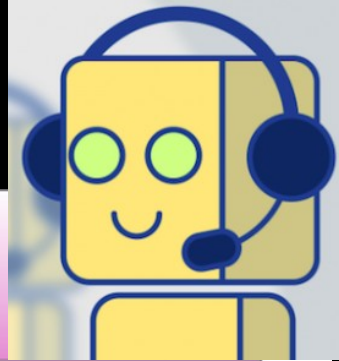
**Get ready to a co-habitation
with non-organic super-intelligence.**

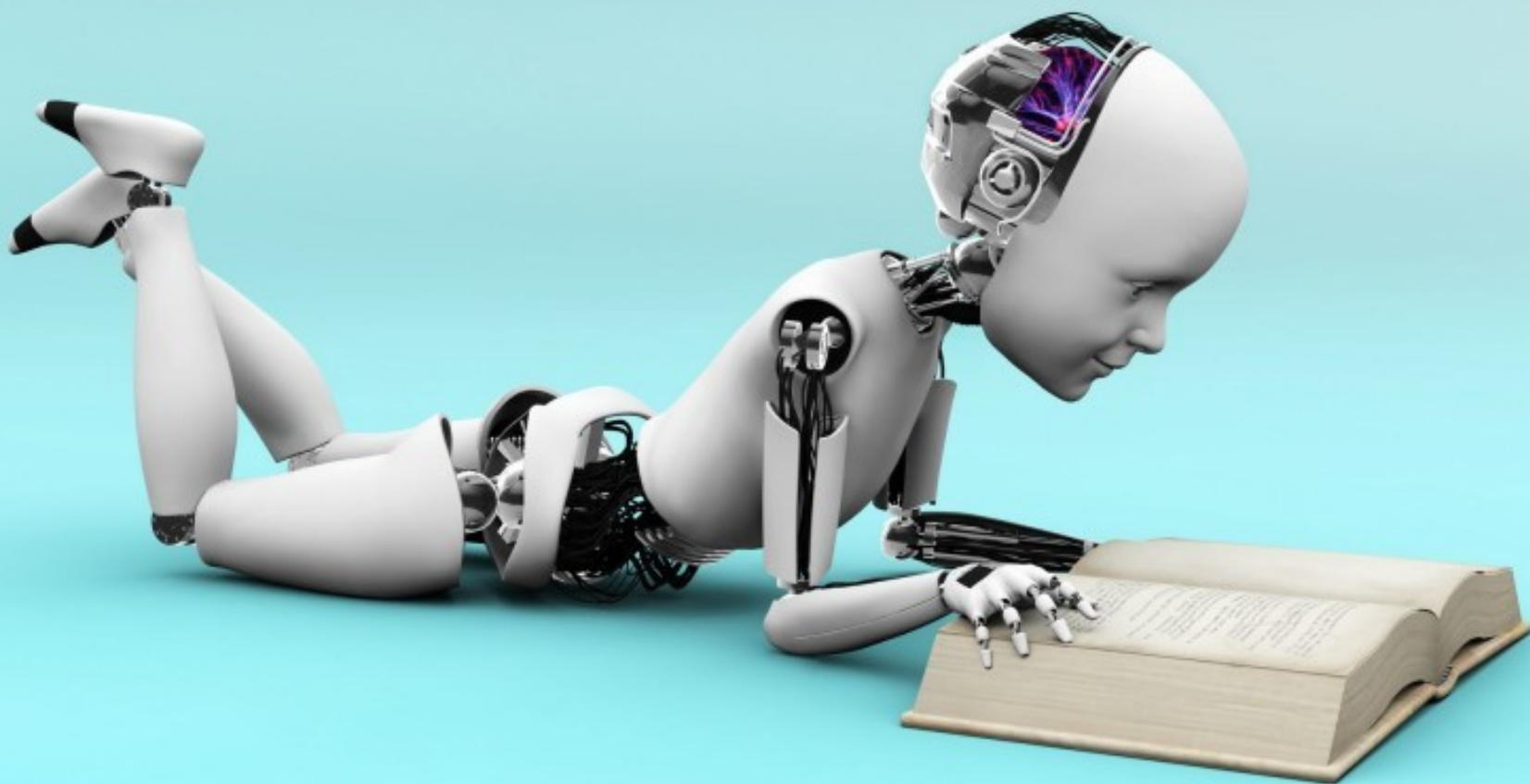


**Will you agree:
AI combined with biotech and networks
will cause a new social contract**

Addendum.

Chatbot Architecture





Thank you for listening!