












# **Viral Intelligence**



@davidorban

# davidorban.com/esl25

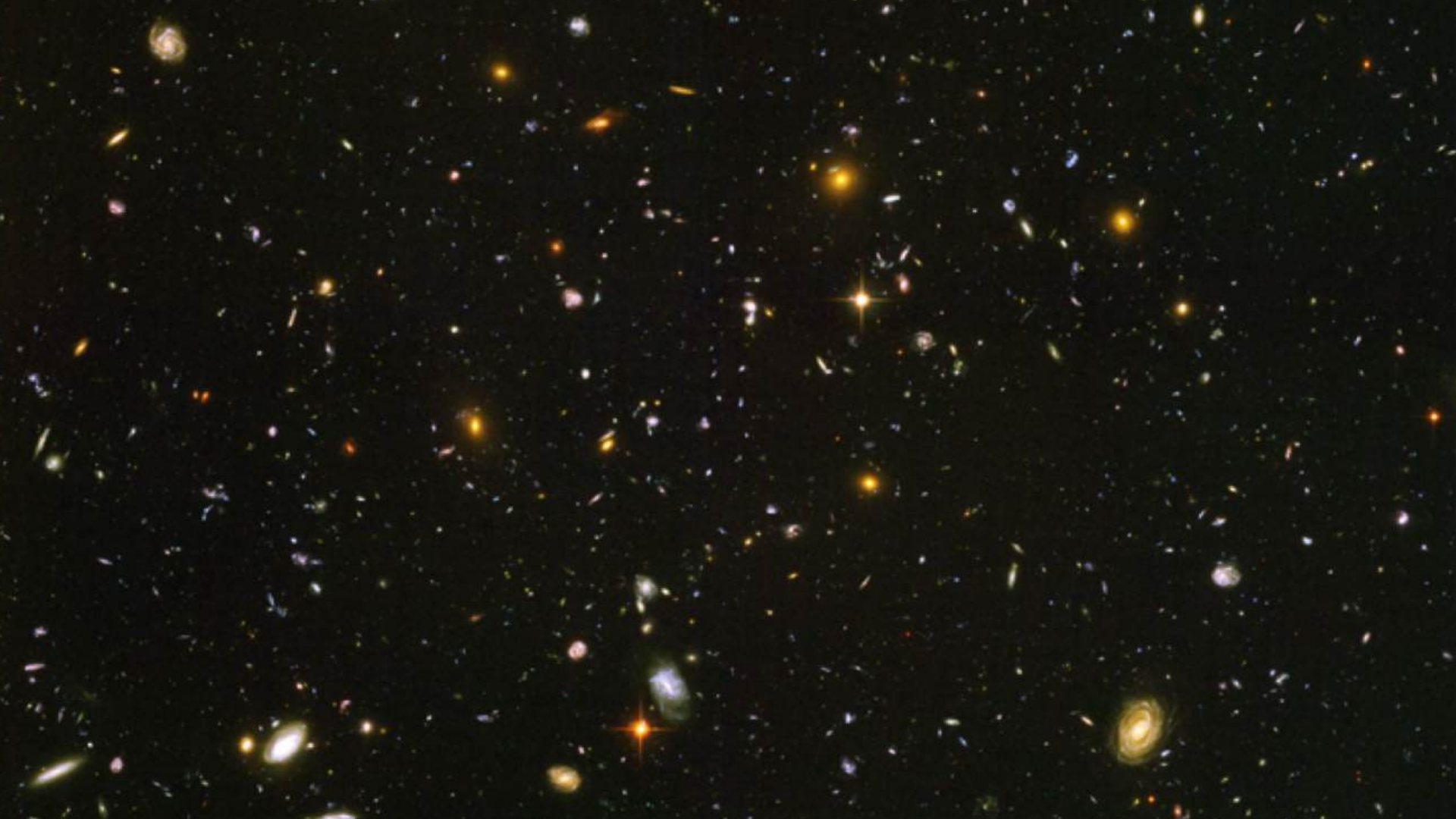
|   |   |  |
|---|---|--|
|  <p>Sensing the World</p>        |  <p>Phase Transition</p> |  <p>Artificial General Intelligence<br/>Superintelligence</p> |
| 51  | 52  | 53   |
|  <p>Introspection</p>            |  <p>Coordination</p>     |  <p>Human Purpose</p>   |
| 56  | 57  | 58   |
|  <p>Sustaining Human Purpose</p> |  <p>Fusion</p>           |  <p>What Does it Mean to be Human?</p>                        |

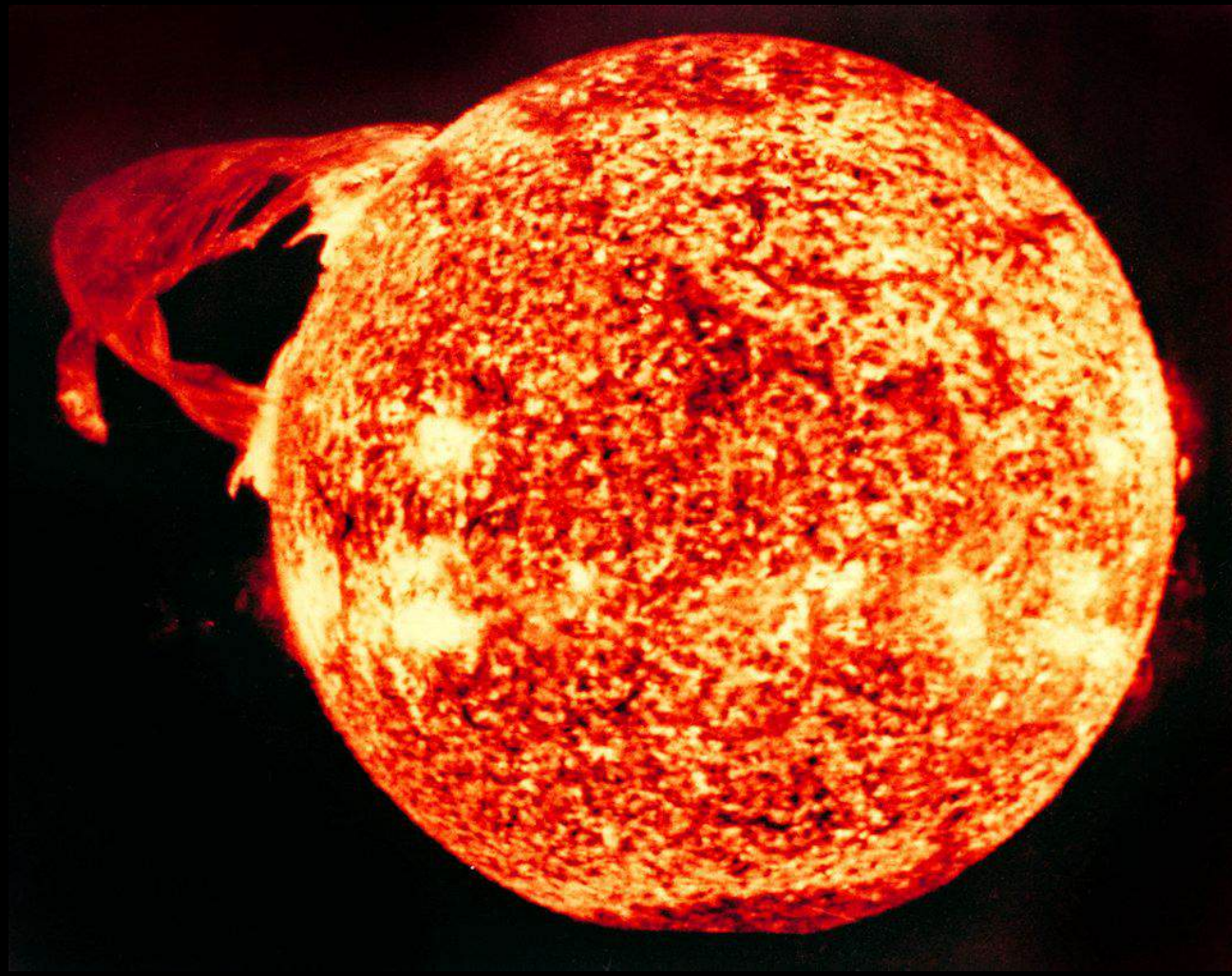


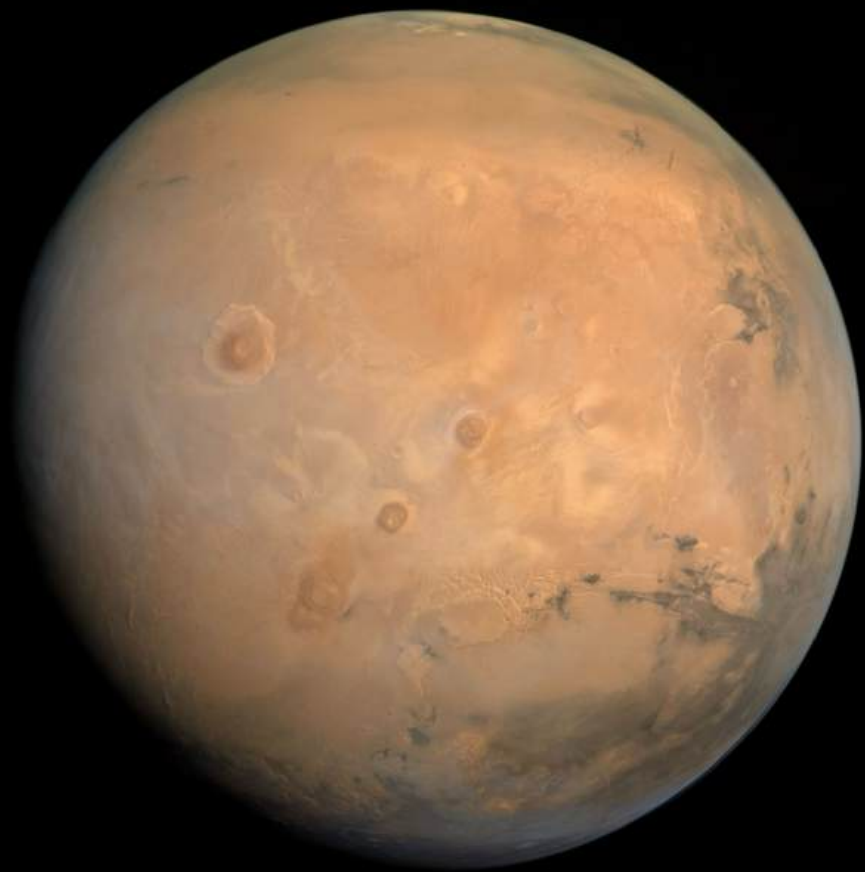
# SOMETHING NEW?

Als and us: the coming age when  
"there is nothing new under the sun"  
**is not true anymore**

DAVID ORBAN















The Dinosaurs Didn't Have Telescopes

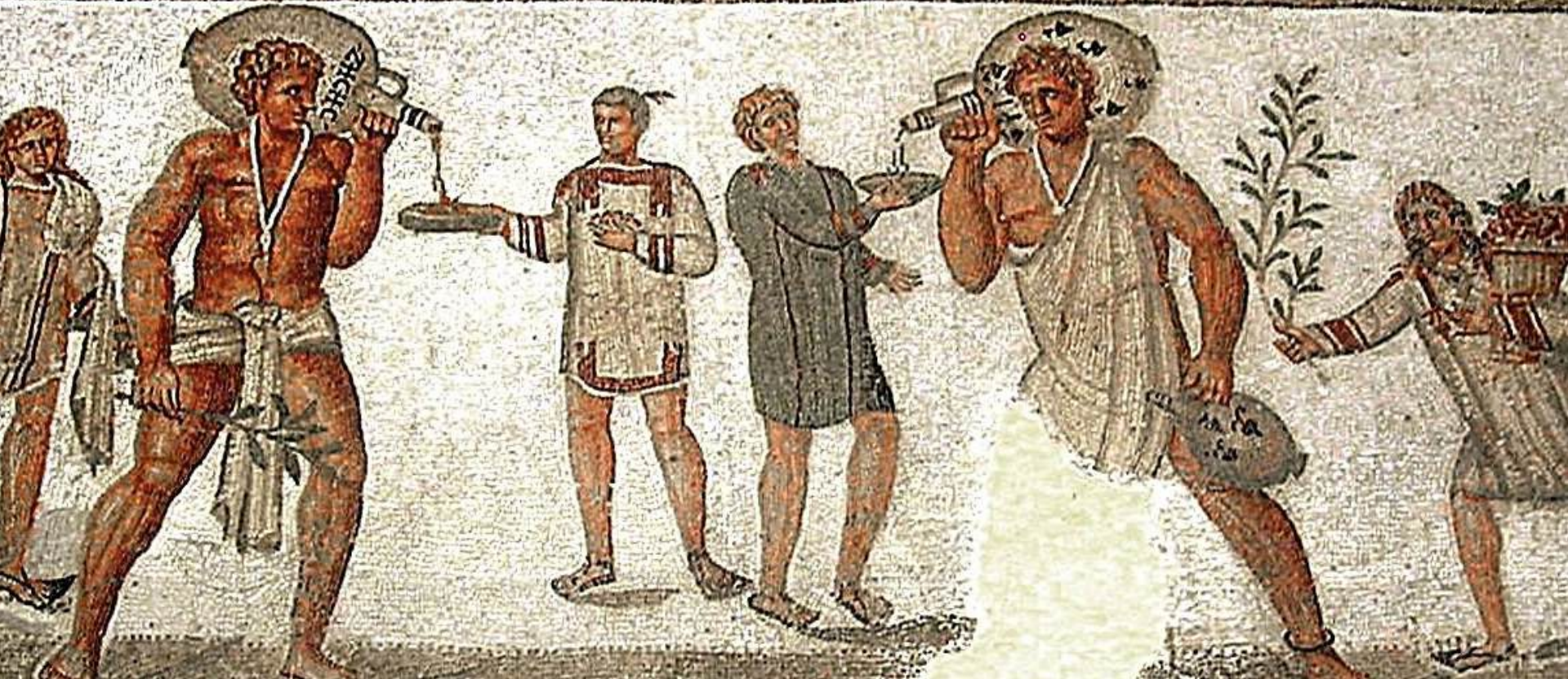
# Humanity is Technology



The image features a dense, intricate network of glowing blue lines and nodes, resembling a complex web or a tree-like structure. The lines are thin and interconnected, creating a mesh-like appearance. The overall color scheme is a vibrant cyan-blue against a dark, almost black background. The text "The World We Create" is centered horizontally and vertically, rendered in a clean, white, sans-serif font. The text is large and bold, making it the primary focus of the image. The network structure behind the text is composed of many small nodes connected by thin lines, with some thicker, more prominent lines that branch out, giving it a sense of depth and complexity. The lighting is soft, highlighting the edges of the network and creating a subtle glow around the text.

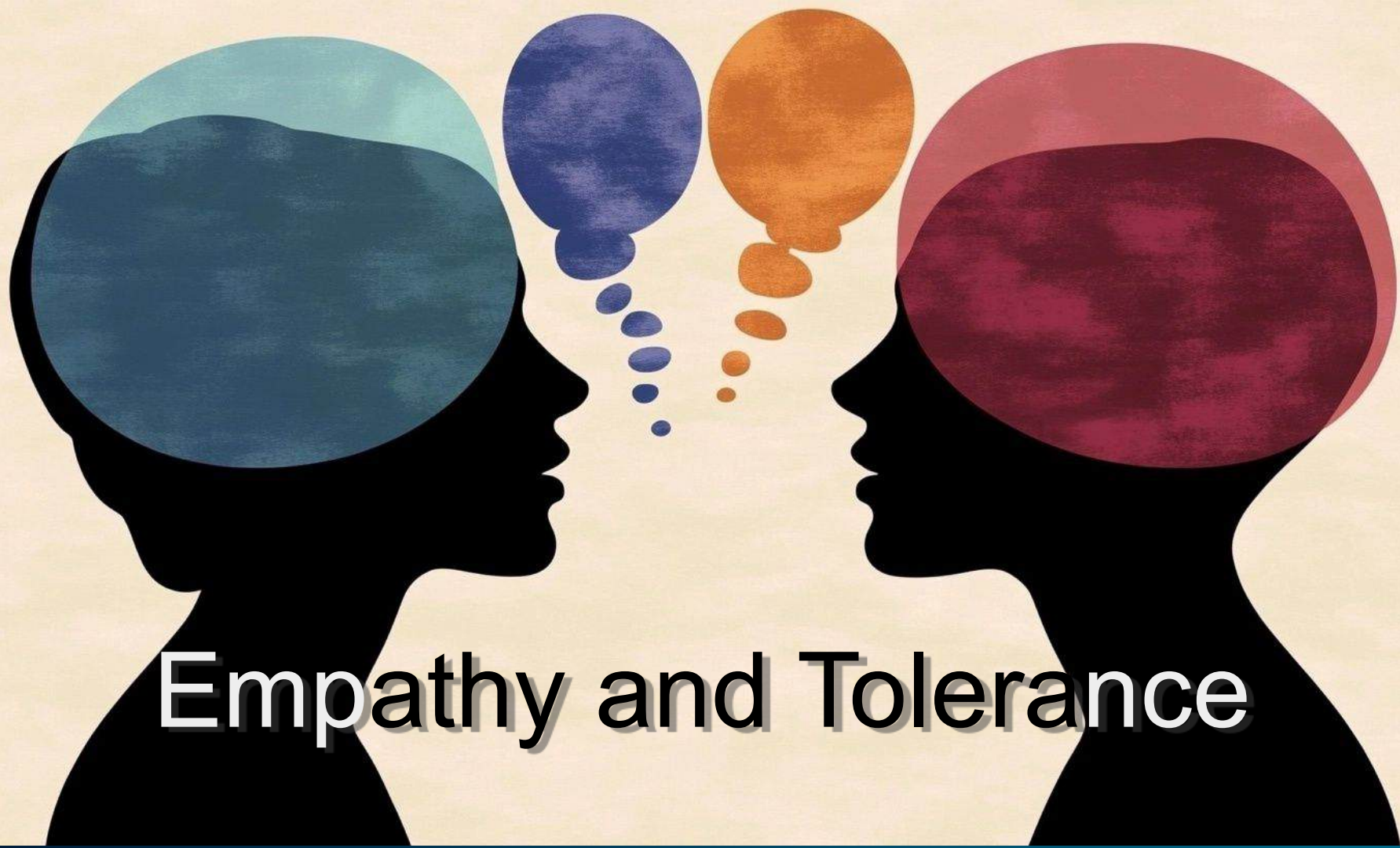


# Raising Our Moral Ambitions



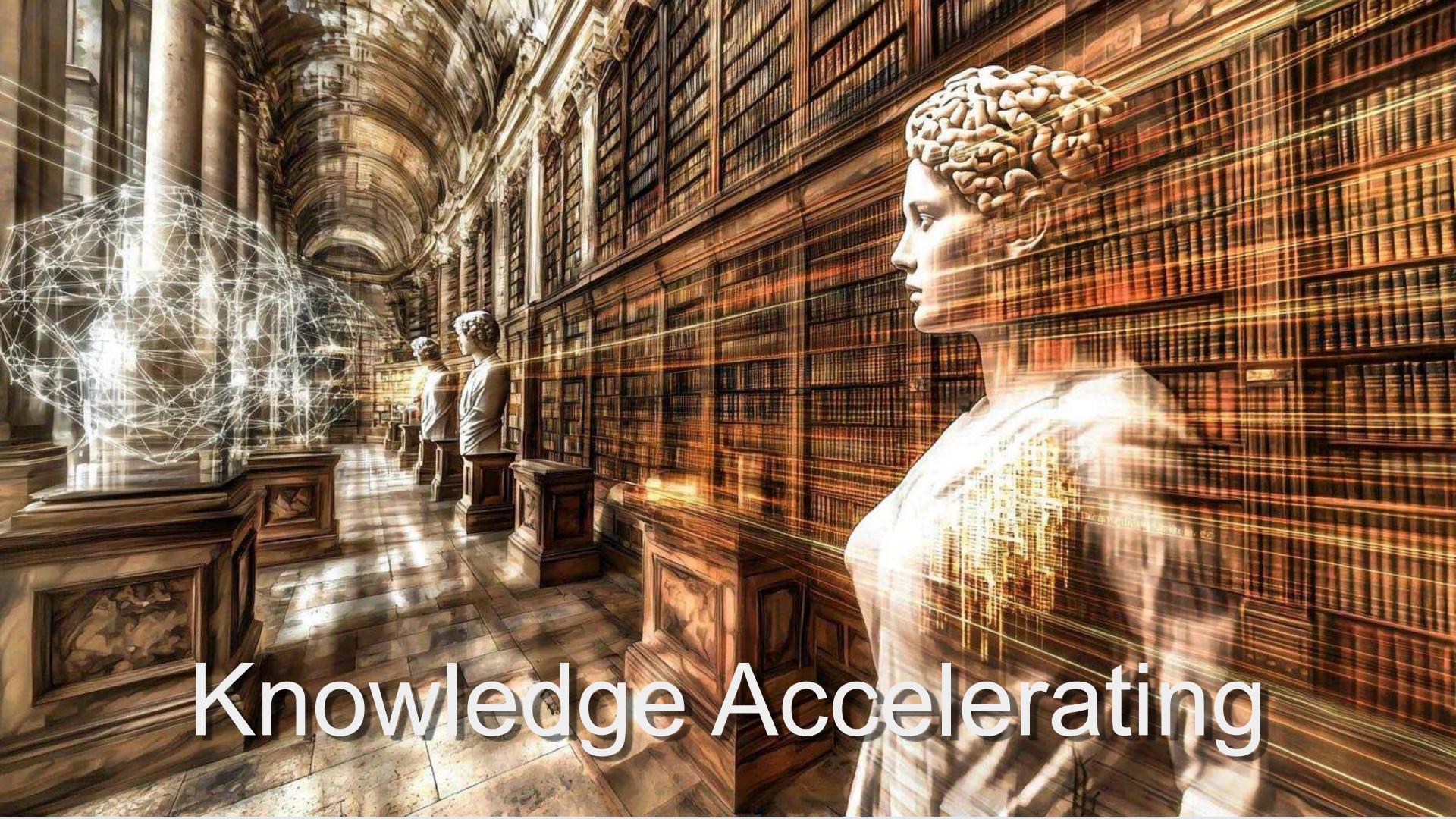


Unthinkable, Both Ways



**Empathy and Tolerance**

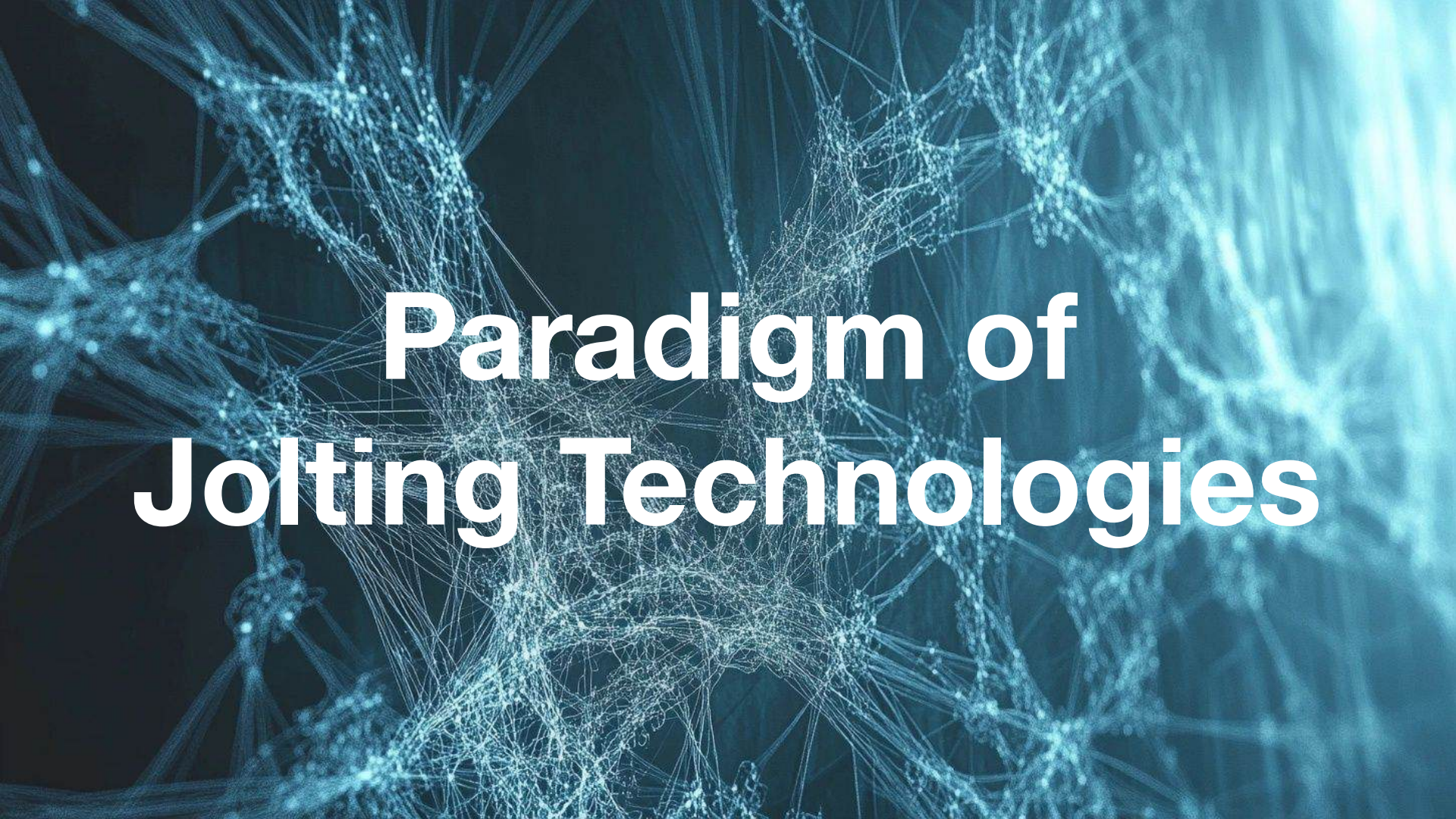




Knowledge Accelerating



**AI is a Strategic Necessity**



# Paradigm of Jolting Technologies

# AI: Demand Side





artificial  
intelligence  
index

2019 annual report



## Two Distinct Eras of Compute Usage in Training AI Systems

Petaflop/s-days

$1e+4$

$1e+2$

$1e+0$

$1e-2$

$1e-4$

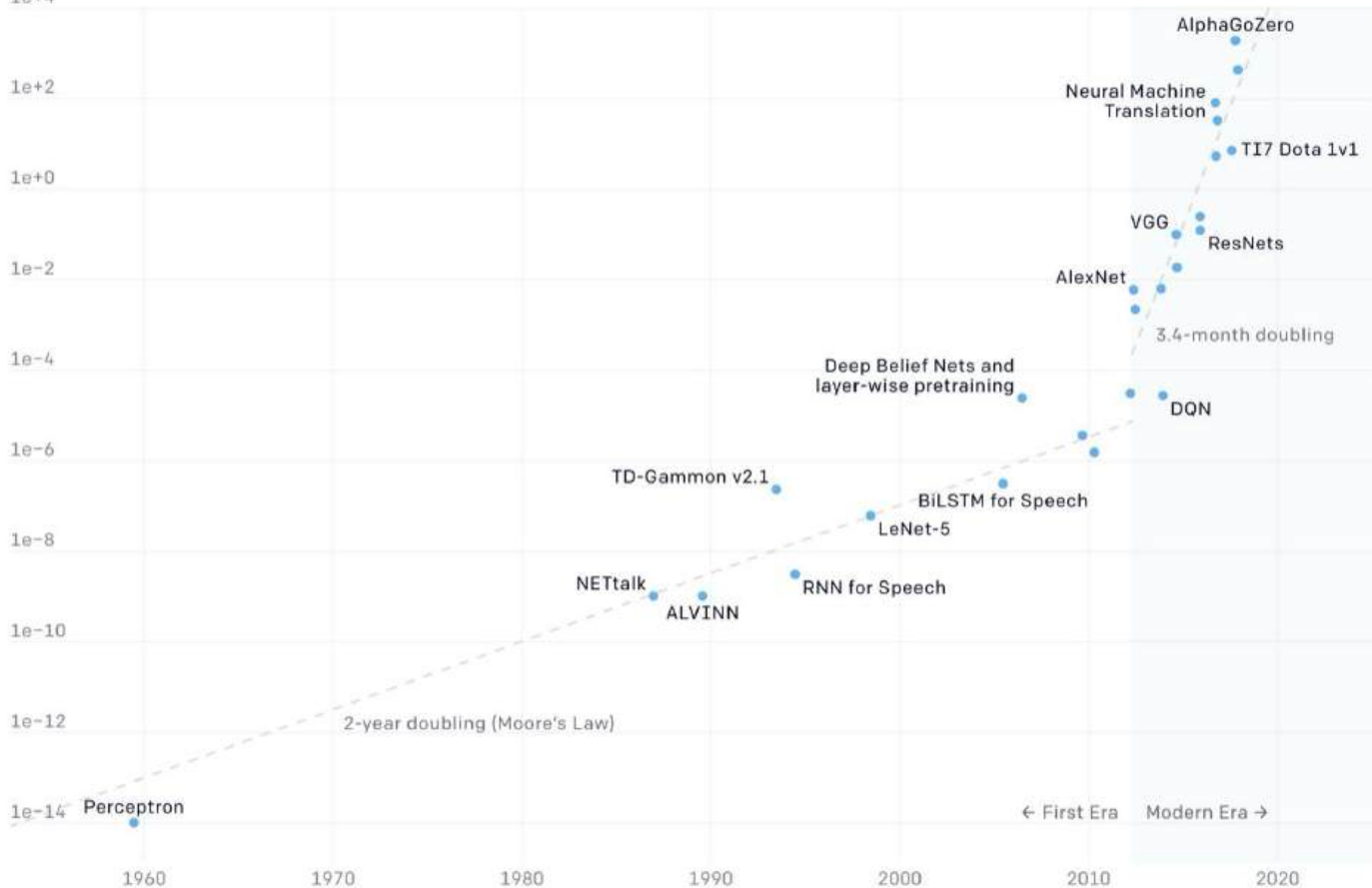
$1e-6$

$1e-8$

$1e-10$

$1e-12$

$1e-14$



## Two Distinct Eras of Compute Usage in Training AI Systems

Petaflop/s-days

$1e+4$

$1e+2$

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$1e-4$

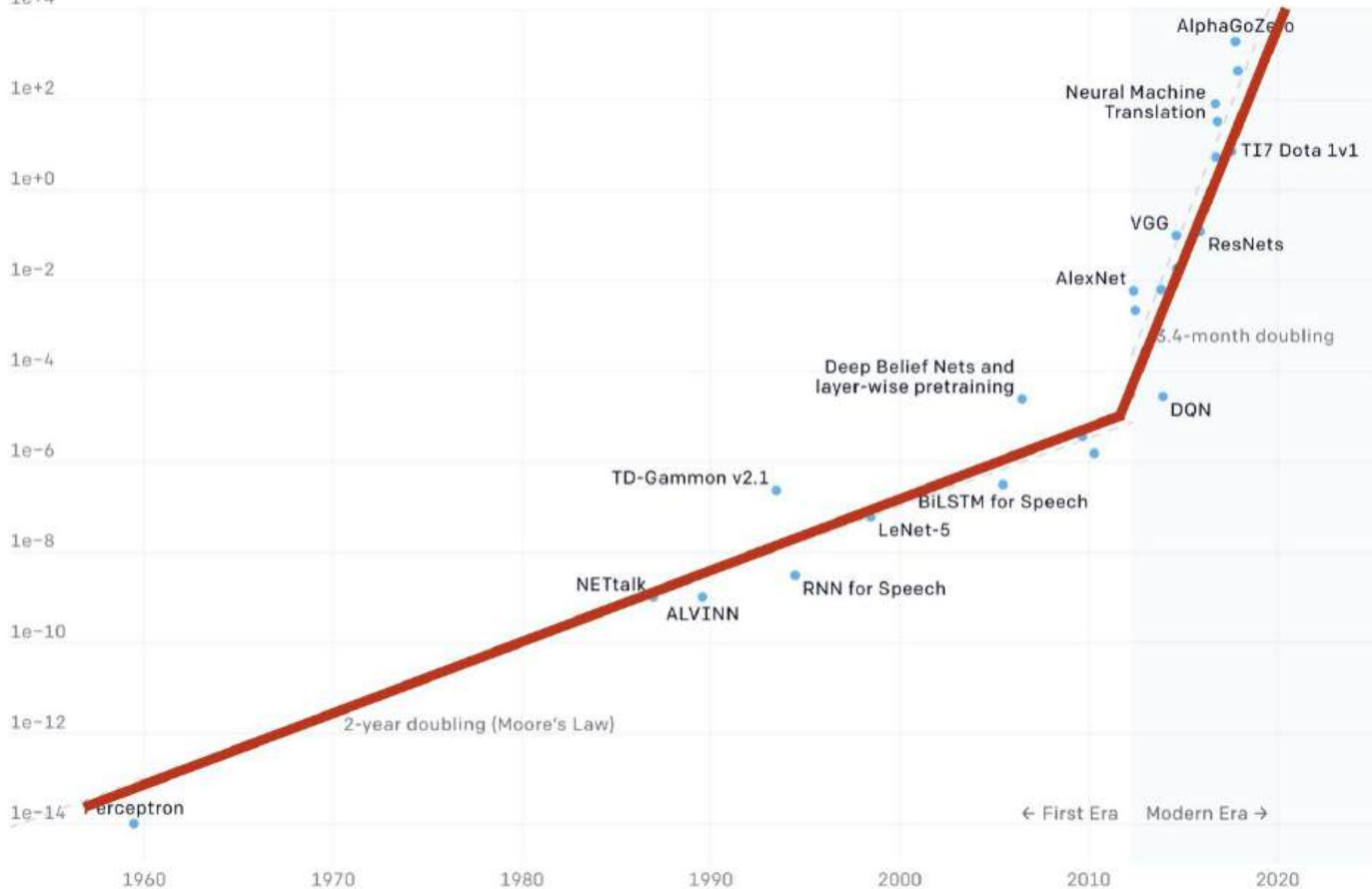
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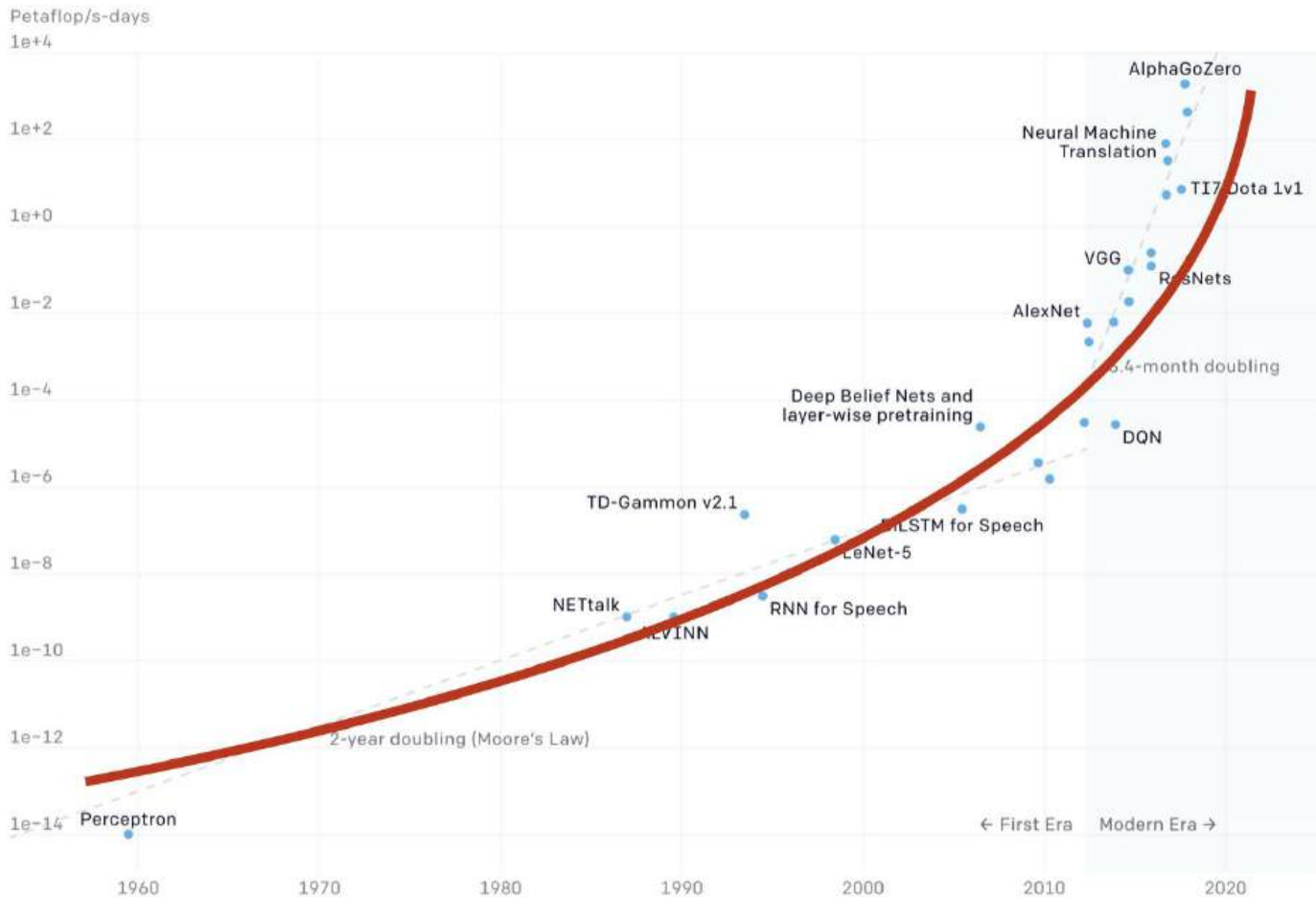
$1e-12$

$1e-14$





# Jolting in ~~Two Distinct Eras of~~ Compute Usage in Training AI Systems



# AI: Supply Side

A man with grey hair and glasses, wearing a black leather jacket, is speaking outdoors. He is gesturing with his hands. The background features a modern building with a large green wall and a white structure. The text "Als iPhone Moment" is overlaid on the bottom of the image.

“Als iPhone Moment”

# 10 年內百萬倍的成長



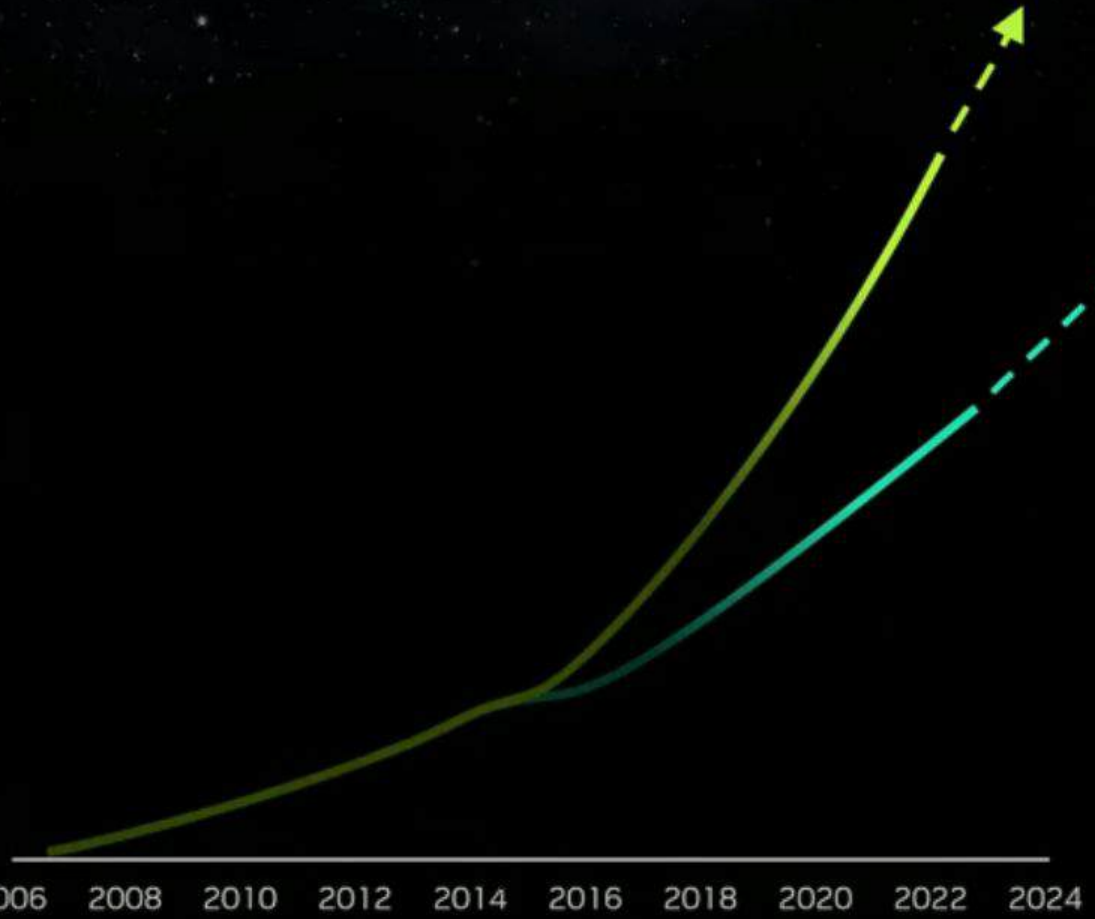
- CUDA
- TENSOR CORE GPU
- SKM
- NVLINK
- HGX
- DGX
- MELLANOX
- MAGNUM IO
- NVIDIA AI

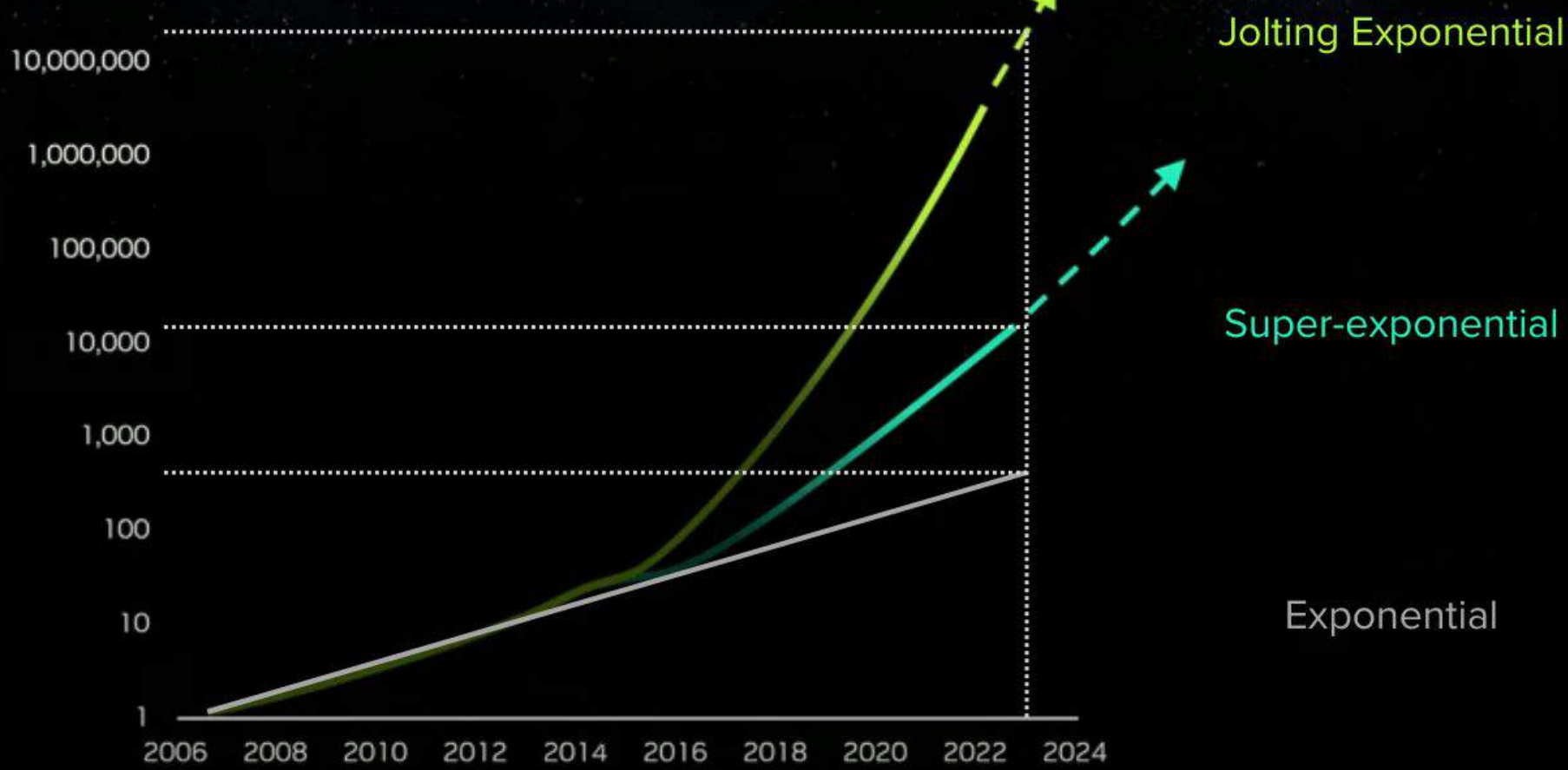




- CUDNN
- TENSOR CORE GPU
- SXM
- NVLINK
- HGX
- DGX
- MELLANOX
- MAGNUM IO
- NVIDIA AI

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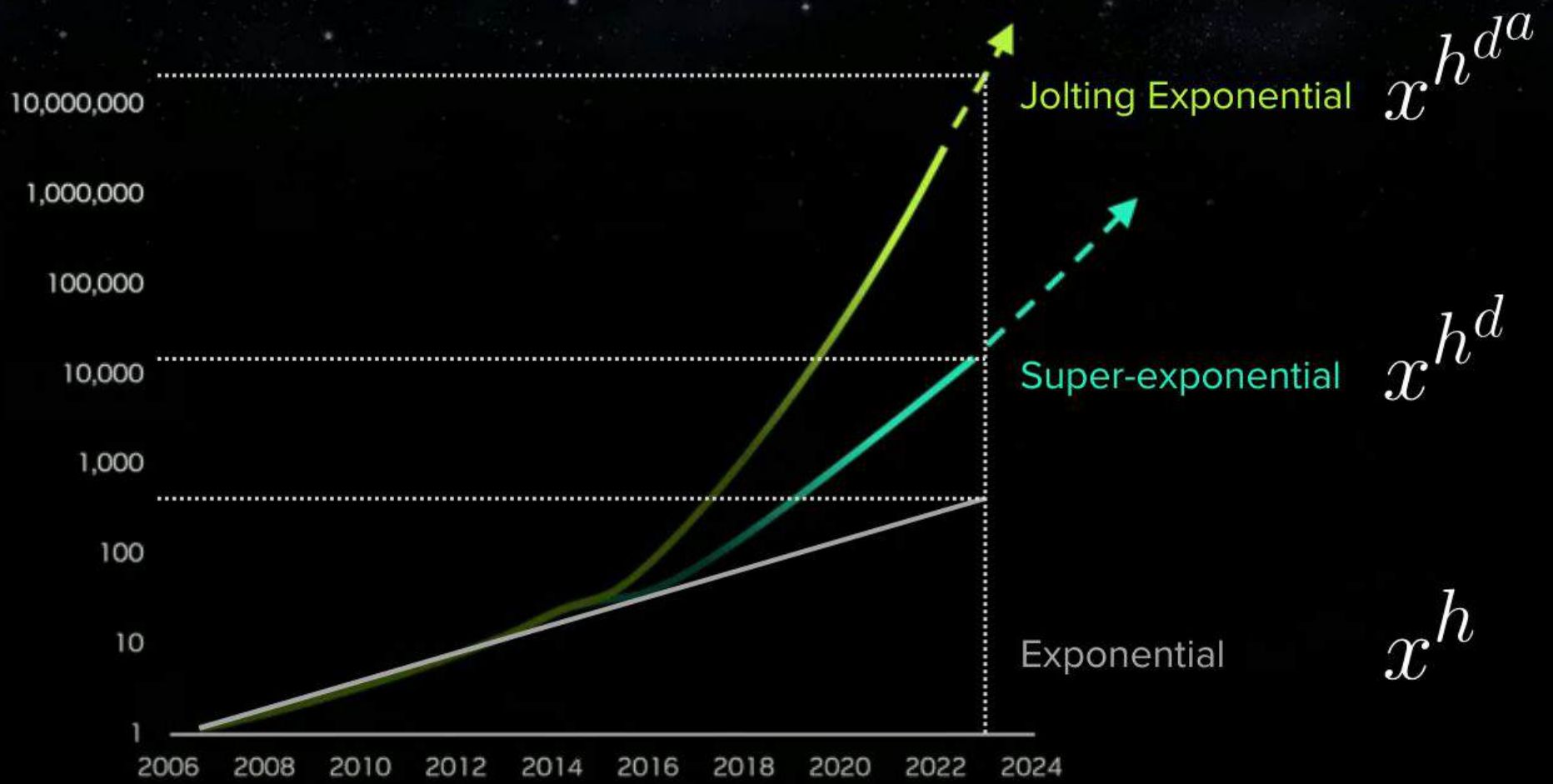




Jolting Exponential

Super-exponential

Exponential







# Exhilarating Challenges



1 Million Deaths per Year



# Survival Instinct

# Stanislav Petrov

Saved the world  
in 1983



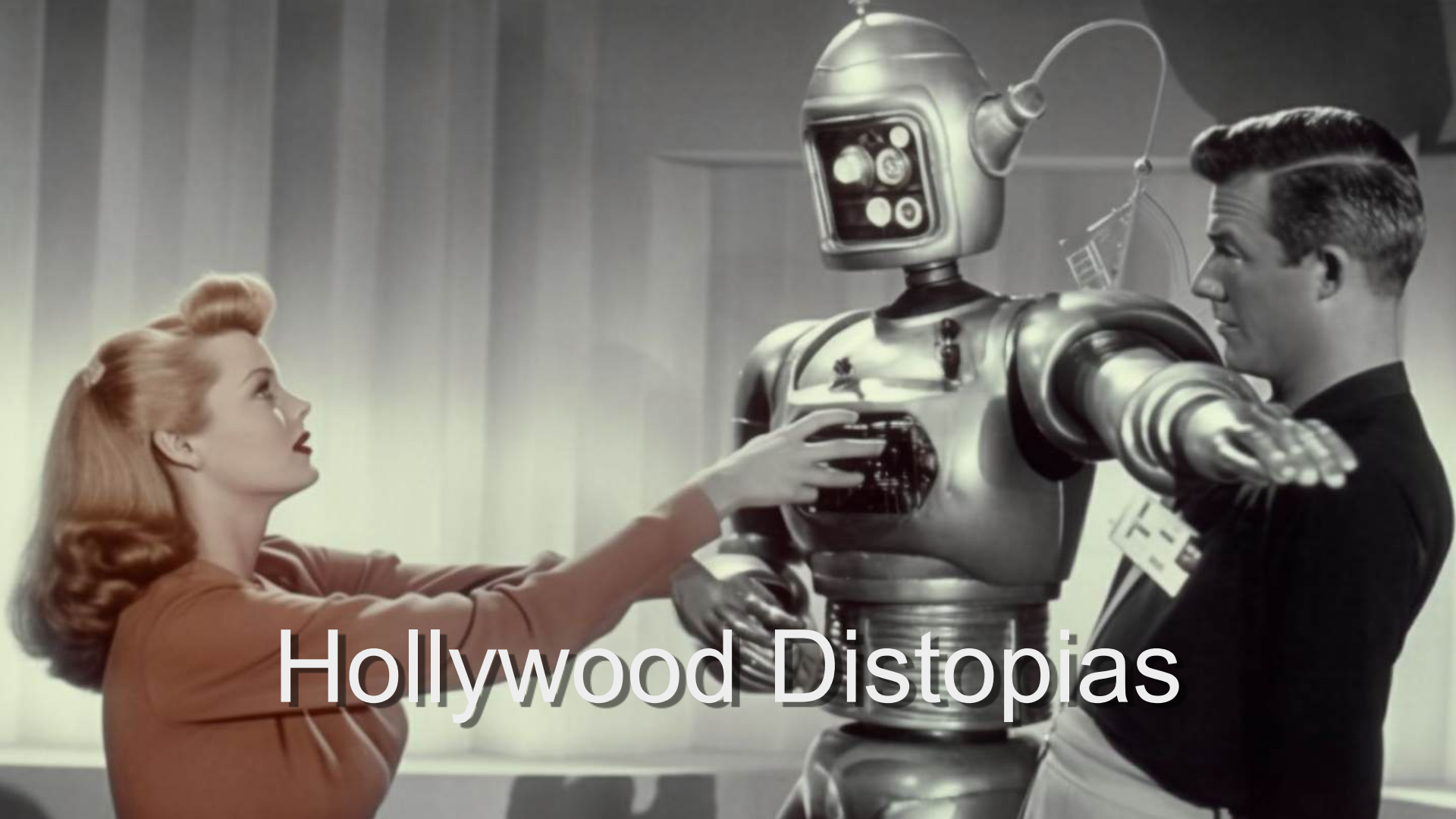


# Optimus



Optimus Building Optimus





# Hollywood Dystopias





**NO DUMB  
MACHINES**

# NOTICE

**THE SOCIAL  
CONTRACT  
IS NOT  
NATURAL LAW**

FREE COFFEE & DOUGHNUTS  
FOR THE UNEMPLOYED

ALBERT  
HORAN  
BAILIFF

PARKING 25

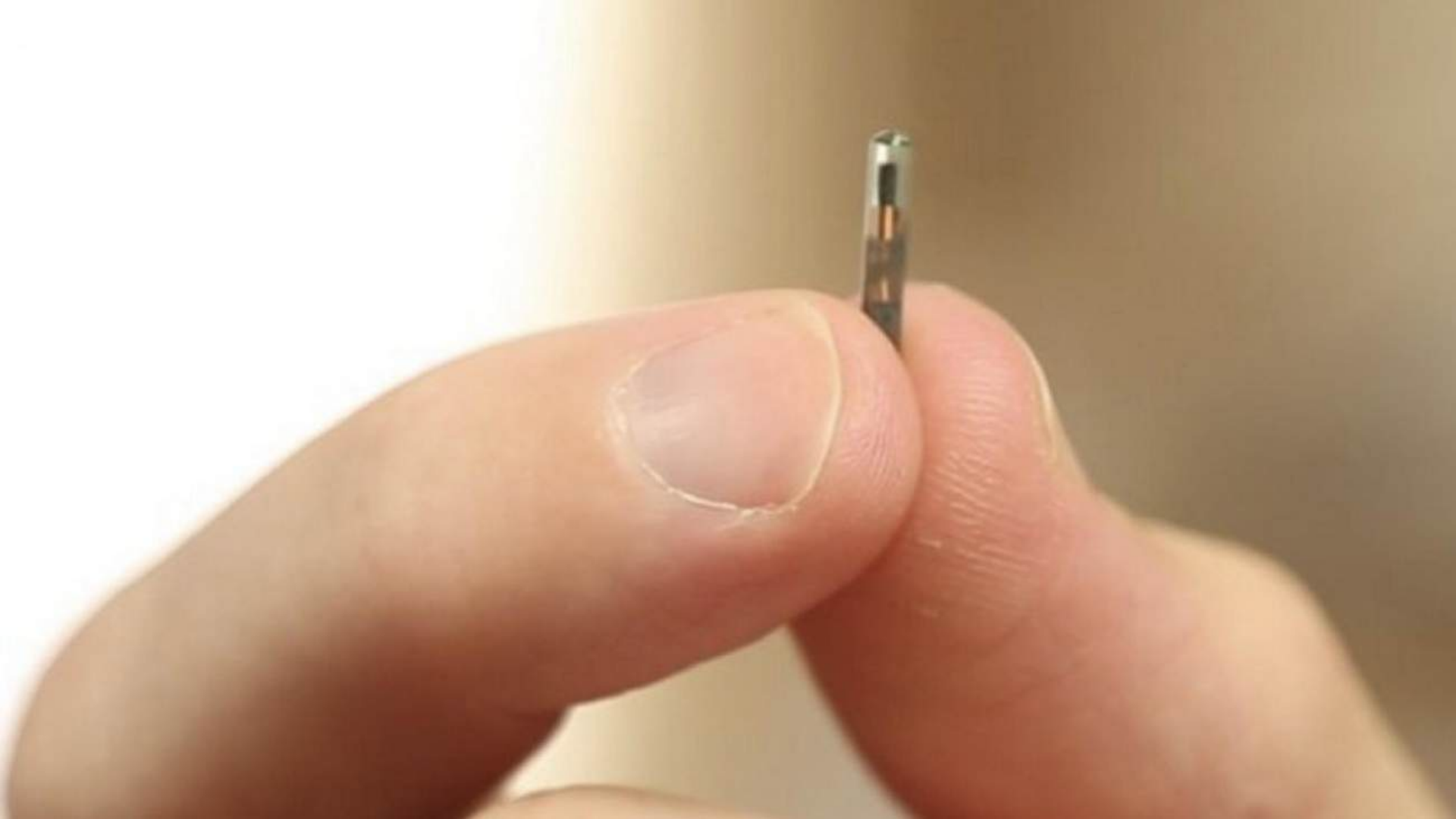
FREE SOUP  
&



No "Unemployed"



# Experimentation and Coevolution







# mo per PRE emo cyborg

che lavoreranno al posto  
remo un insieme di dati  
piacere. Il futuro secondo  
Singularity University.

do Castellano  
accurt per Panorama

obot e droidi dotati di un'intelligenza  
na. Mentre loro lavoreranno al posto  
tà trascorrerà il tempo esplorando le  
e della mente. Gli uomini diventeran-  
potenziate dalla tecnologia. Potremo  
erendo il nostro cervello (incluso l'io  
i e anche esplorare lo spazio estremo  
eria grigia alla velocità della luce come  
o via etere».

etta nei prossimi 50 anni secondo Da-  
erevoli società hi-tech di successo, ma  
e della Singularity University, fabbrica  
oogle, fondata nel 2008 dallo scienzia-  
tore Peter Diamandis nel cuore della  
an non è uno scrittore di fantascienza,  
turologo di fama mondiale, un uomo  
vita in aereo per raggiungere i palchi  
tecnologiche. Orban, come egli stesso  
tore del domani che vive il presente».  
nte una breve tappa a Milano ai margini  
e dedicata alla comunicazione digitale.  
uro è 10 anni in anticipo.  
mbra di essere accanto al comandante



## Chip sottopelle

David Orban, 50 anni, è uno scienziato e visionario di origini ungheresi. È professore della californiana Singularity University, ha fondato molte aziende hi-tech tra cui Network Society Ventures, un fondo di investimento per start-up. Come futurologo è relatore presso tutti i più importanti forum mondiali. Per esperimento, si è impiantato un microchip Nfc sottopelle che lo rende, di fatto, il primo cyborg.



## TECNOLOGIA

Kirk nella serie tv *Star Trek*, poco prima che l'astronave Enterprise inizi la fase di teletrasporto verso nuovi mondi. Una sensazione che provi da subito. Appena gli stringi la mano, infatti, lui ti invita a tastare il punto, tra indice e pollice, in cui si è fatto impiantare un chip sottopelle. «Sono un cyborg» spiega a *Panorama*. «Porto con me tutte le chiavi di cifratura utili per pagare in bitcoin, la valuta digitale di Internet. Con il chip, in potenza, posso fare molte altre cose, non solo trasferire denaro. Come prendere una vettura in car sharing, accedere alla metropolitana e varcare i tornelli in ufficio. In futuro potrebbe comunicare informazioni con un'altra persona dotata di un medesimo chip con la stessa velocità e semplicità con cui oggi un computer invia una email utilizzando la rete senza



## In maggio a Milano un seminario con il guru

David Orban (nella foto, con la sua cagnolina Bri, anche lei con il chip) è il responsabile per l'Italia della Singularity University. Organizza seminari conferenze ed eventi. «A maggio, a Milano, ci sarà una sessione dove, chi vorrà, potrà farsi impiantare un microchip come il mio» ha svelato Orban in anteprima a *Panorama*. Per informazioni: [www.singularityumilan.com](http://www.singularityumilan.com)

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Extending Our Adaptability



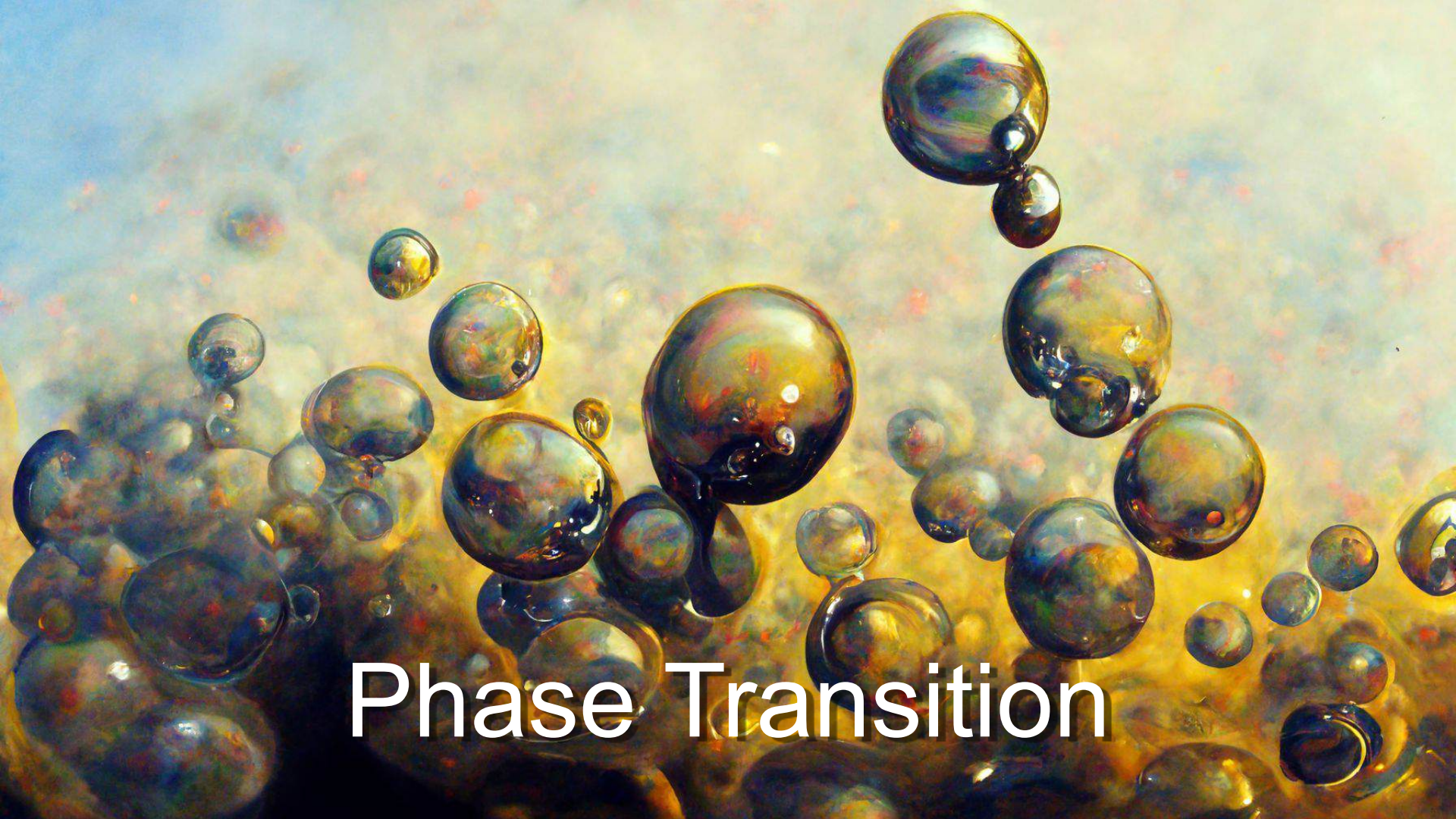
Be Luminary



# Con-Fusion



Sensing the World

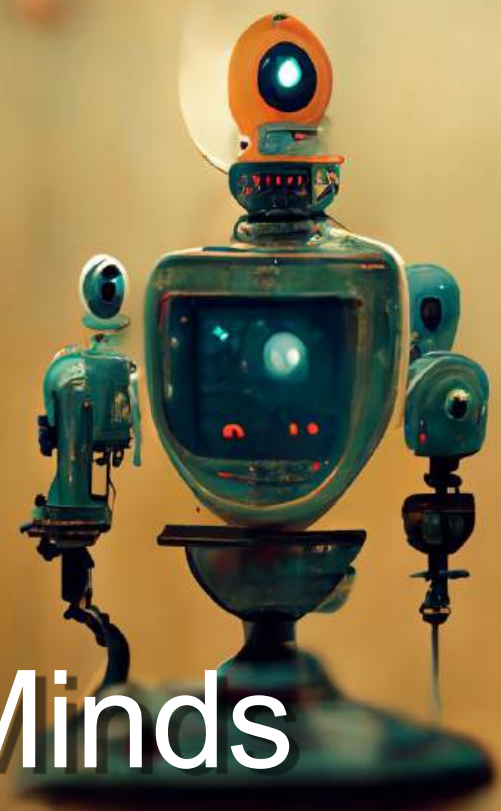


Phase Transition

# Artificial General Intelligence



# Superintelligence



# Alien Minds



New Degrees of Freedom





# Introspection

A futuristic robot with a metallic, reflective head and a dark, segmented body is seated on a wooden chair at a table. It is holding a small, green, leafy plant in a clear glass vase. A woman with her hair in a bun, wearing a grey hoodie, is seated opposite the robot, smiling and looking at the plant. The scene is set in a warm, dimly lit cafe or restaurant with large windows in the background showing a cityscape at night. The overall atmosphere is intimate and futuristic.

# Coordination



# Human Purpose



# Ethical Ambitions



# Path of Human Dignity



# Sustaining Human Purpose

# Fusion



What Does it  
Mean to be  
Human?





# The Androids Dream of the Electric Sheep



A vibrant, futuristic illustration of a yellow toolbox overflowing with various tools and electronic components. The tools include screwdrivers, pliers, wrenches, and a power drill, all rendered in a metallic, glowing style. The toolbox is filled with a dense array of electronic parts, including microchips, capacitors, and resistors. The background is dark, with scattered yellow and blue particles and glowing lines, creating a sense of dynamic energy and technological advancement. The overall composition is centered and balanced, with the toolbox as the focal point.

# Toolset of the Future

Unstoppable



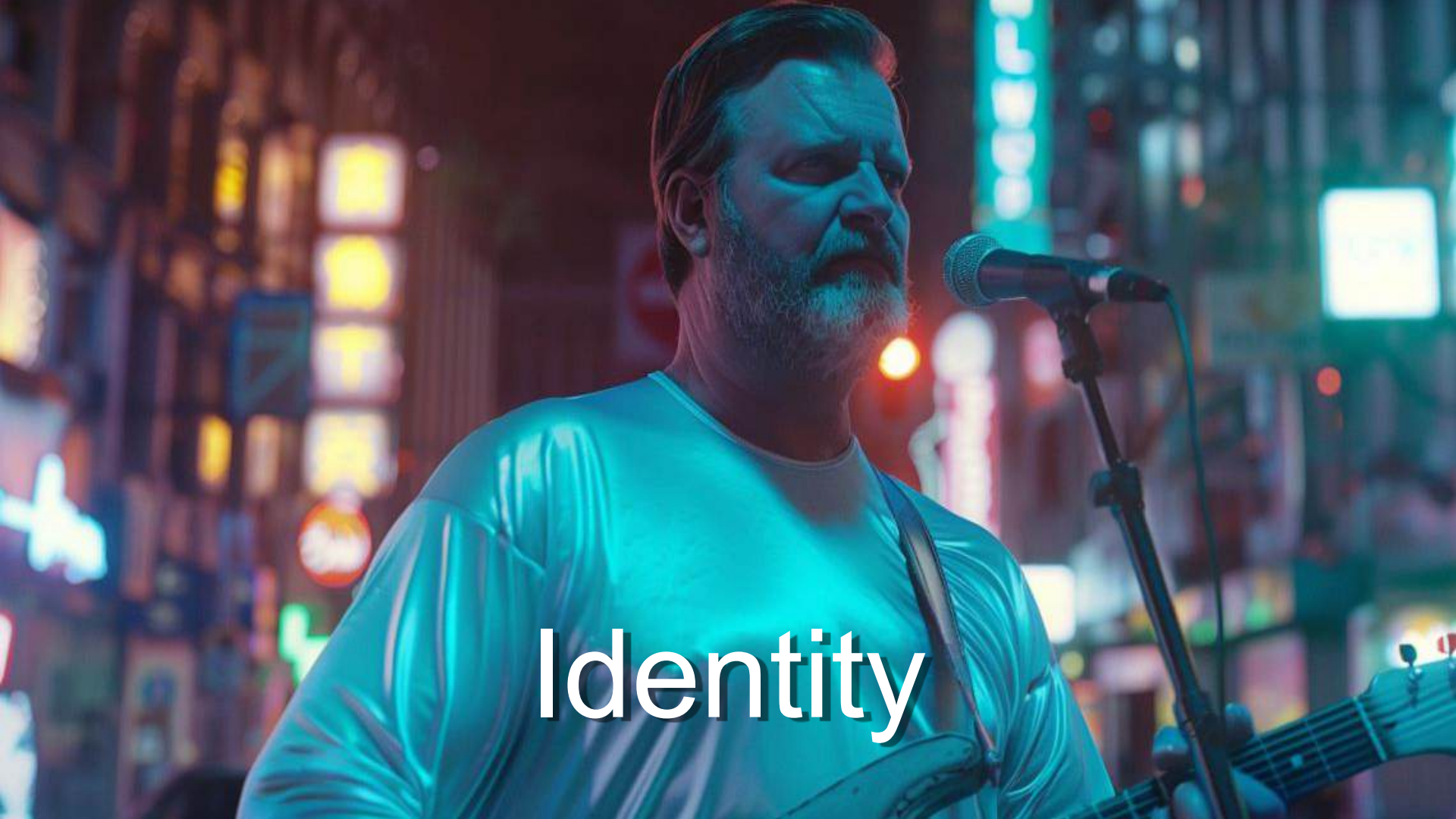
thecrazyfilmgirl

A visualization of the cosmic web, showing a complex network of filaments and nodes of matter in the universe. The structure is rendered in shades of blue and white against a dark background, with the central region being the most dense and bright. The filaments branch out and connect, forming a web-like pattern that spans the entire frame.

# Our Cosmic Destiny

# Exploration





Identity











# Murmuration



# Blind Matter Waking Up





# Exploring the Universe

A painting of a field of red poppies. The foreground is filled with numerous red poppies of various sizes, some in full bloom and others as buds. The background is a soft, hazy landscape with a church or cathedral visible in the distance. The overall style is impressionistic with visible brushstrokes and a warm, slightly muted color palette. The text "Thank you! Grazie!" is overlaid in white at the bottom.

**Thank you! Grazie!**



[davidorban.com/esl25](https://davidorban.com/esl25)