



INDUSTRY PLENARY

THE ART OF TRANSFORMING TOMORROW: A NEW RENAISSANCE





From Blue Marble to Earth-2: A New Terraforming

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a philosopher
surrounded by
engineers



Marc
Raibert

Lex
Fridman



a new
renaissance
is a new
terraforming



we need a new cultural
and strategical map

The (New) Fantastic 4



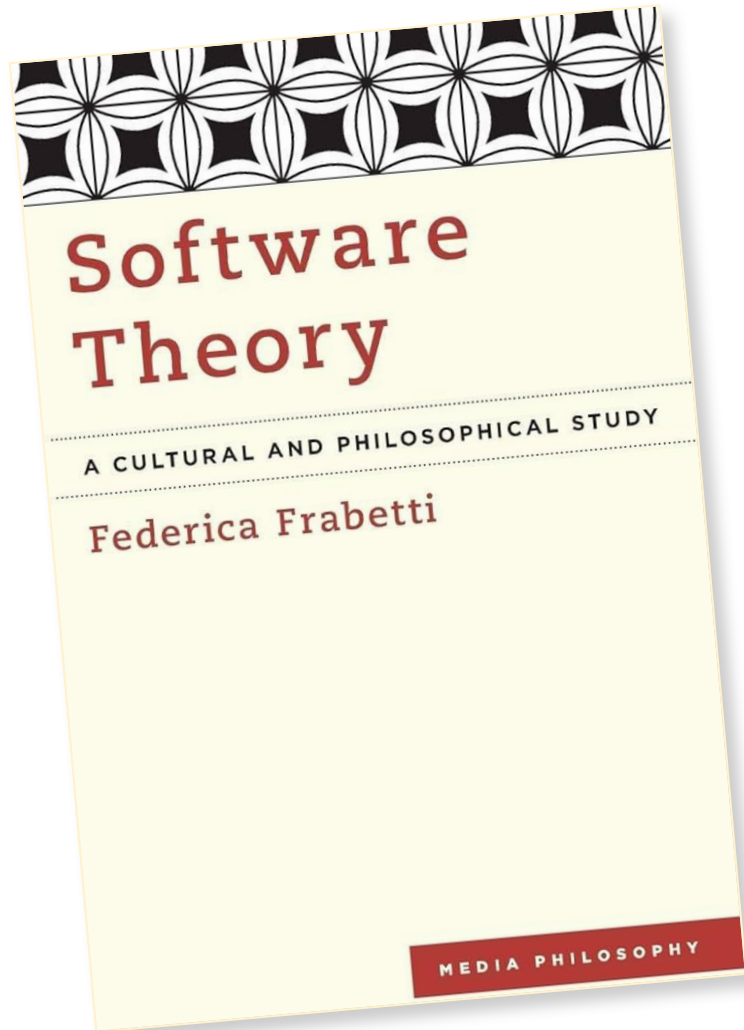
- Computation
- Automation
- Anticipation
- Simulation

Computation

software as a new world-building language



“Jeff’s point was that Amazon was just as much a software company as Microsoft or Oracle or Adobe. It just happened that instead of being the product that we shipped to consumers, our software ran behind the scenes, allowing us to ship brown boxes with books or music or just about anything to someone’s doorstep. *Our business is not what’s in the brown boxes,” he said. “It’s the software that sends the brown boxes on their way”.*



Software code designs, decides and deploys the **conditions of possibilities** of/on Earth-2

From media to money, software code is becoming the invisible engine of the existence, experience and intelligence of our digital planet

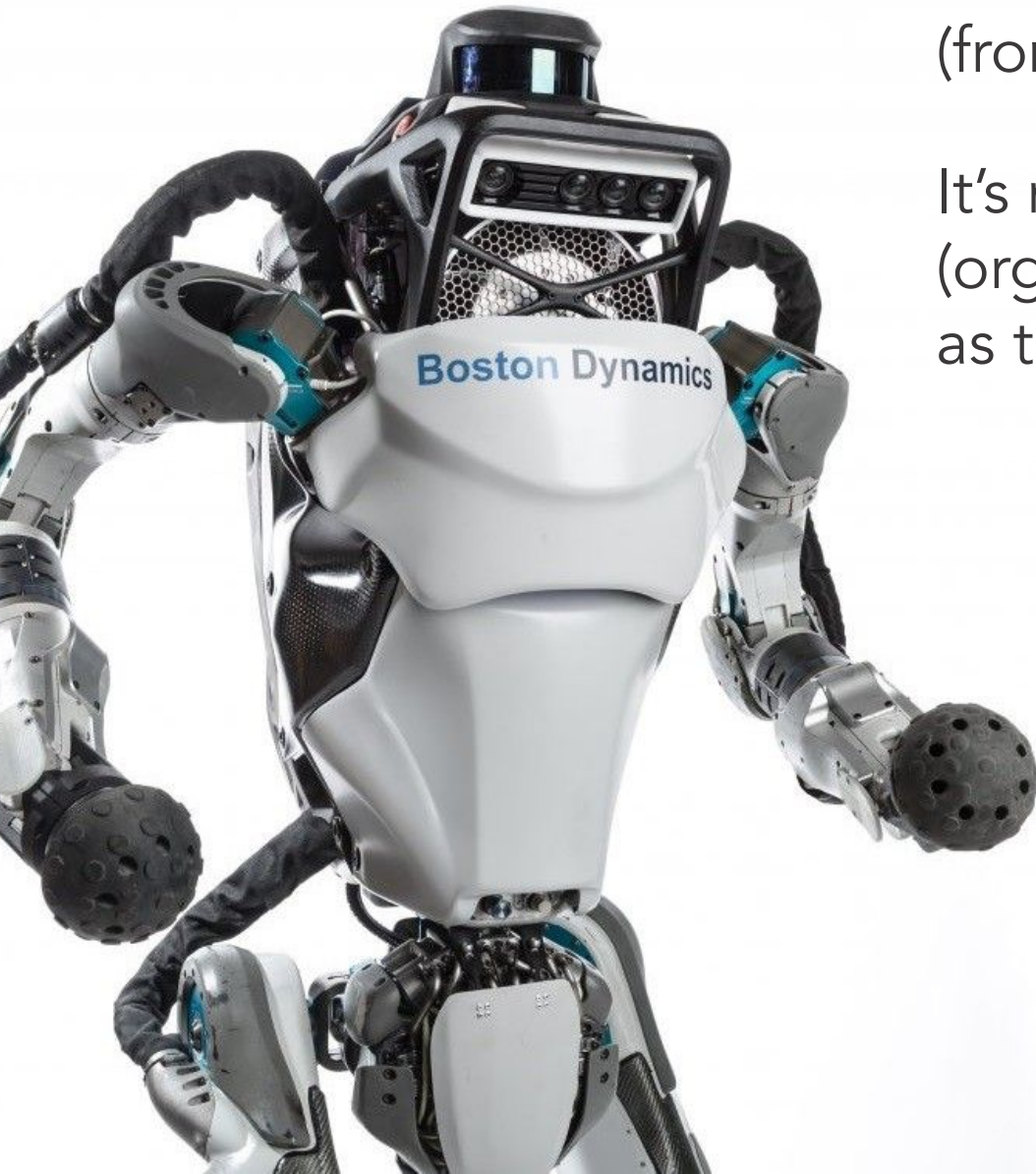


Automation

a new ecology of data, platforms, machines

software society + sensor society

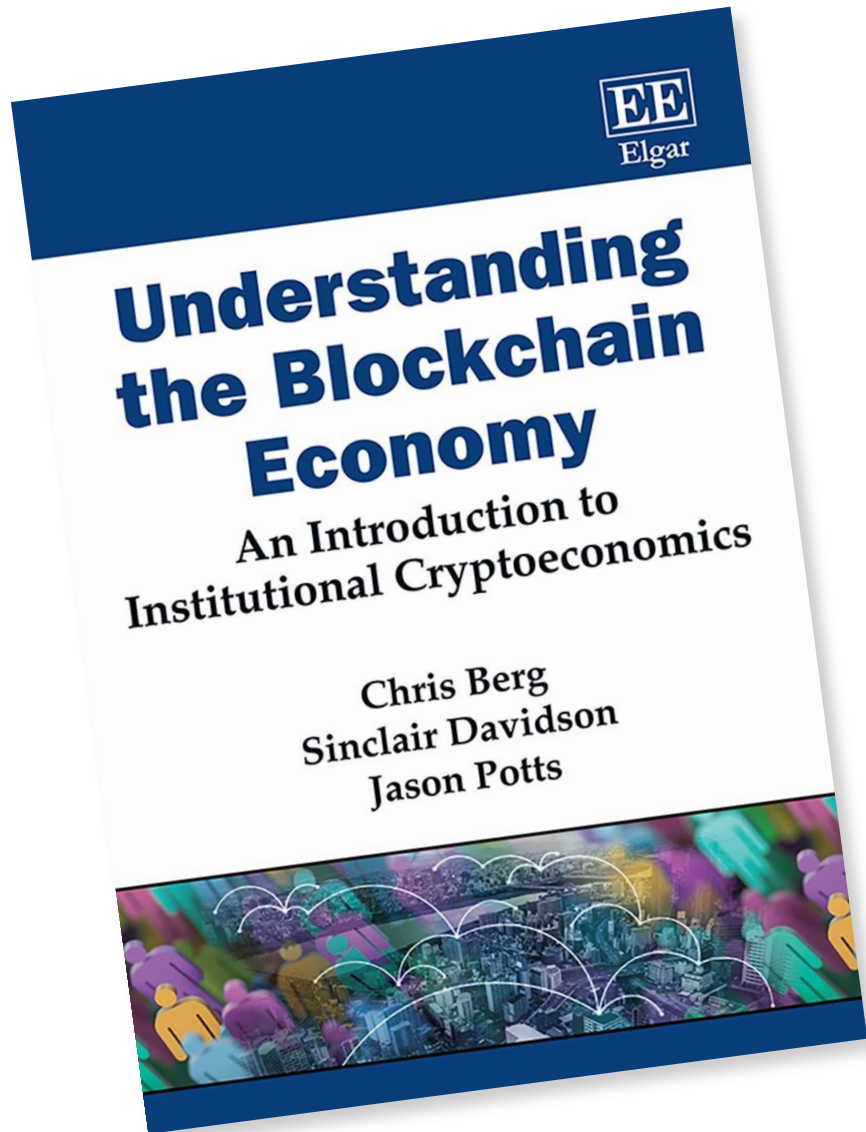




Automation is a mindset, not a skillset. It's a strategy
(from *autonomous agents* to *smart contracts*)

It's not only a **machine** (working), but a **machinery**
(organizing). It refers to programs/algorithms as well
as to protocols/platforms (dogs too)





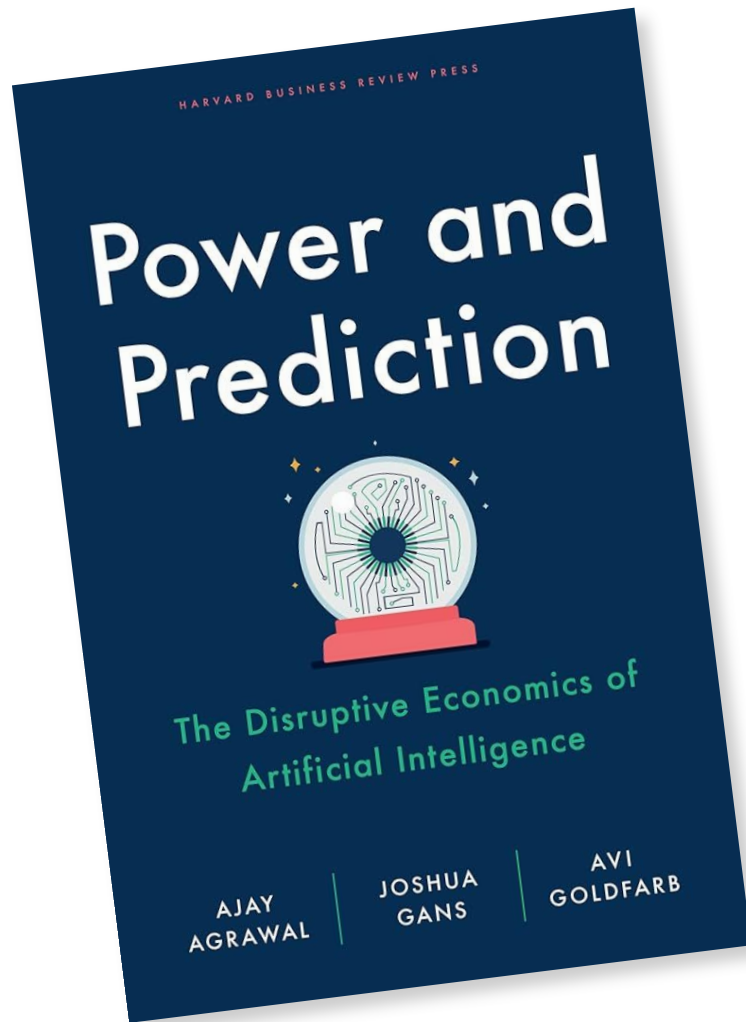
Blockchain-like technology is an **institutional innovation**, not just a technological innovation

It's more like the "division of labor" type of innovation (Adam Smith) than a new pure tech innovation

Anticipation

from the archival age to the oracular era





The production of **prediction**
is the business of the future

Moving from *archive* (feedback
economy) to *oracle* (**feedforward**
economy)



alertative
mobility



predictive
medicine



preventive
maintenance



preemptive
cybersecurity



anticipative
writing



recommendative
mediality

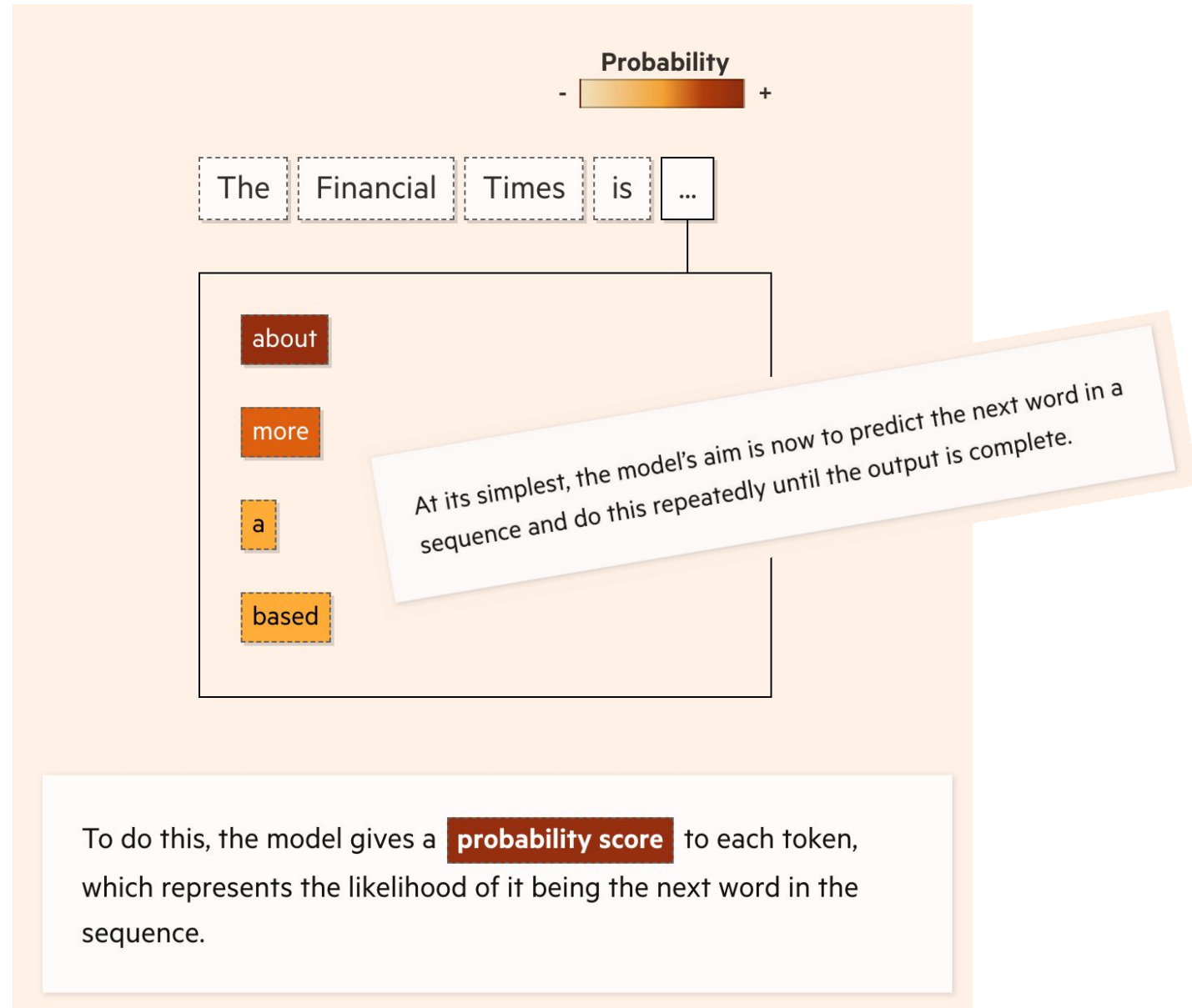
oracles ... oracles ...
everywhere

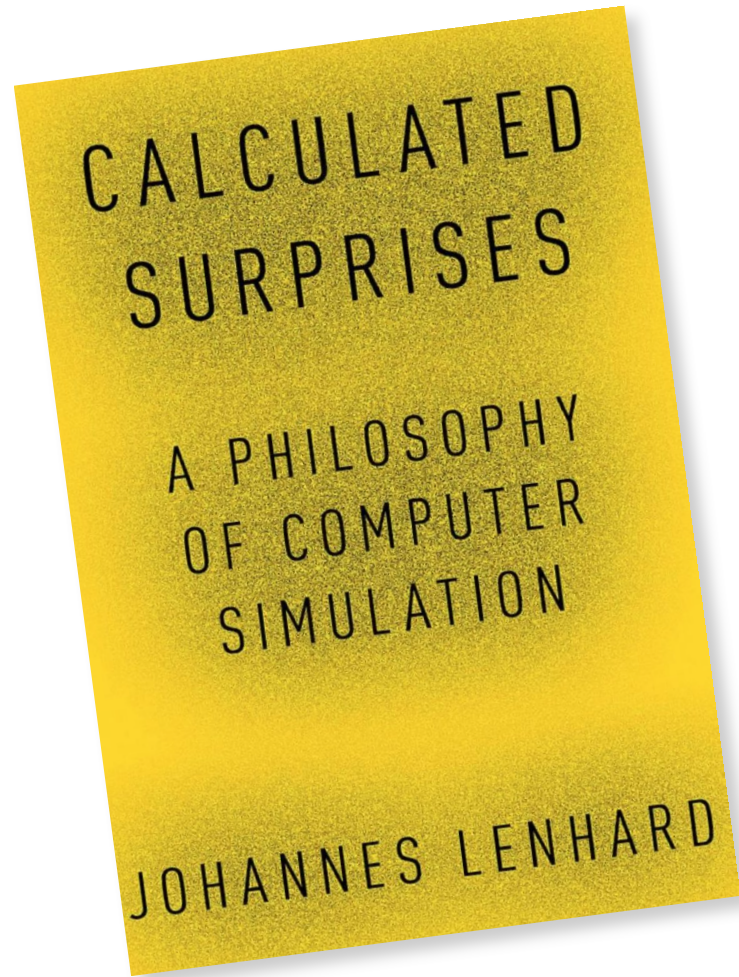
Simulation

generative artificial intelligence: words & worlds



An LLM is a **text predictor** ... a computational simulation of human language



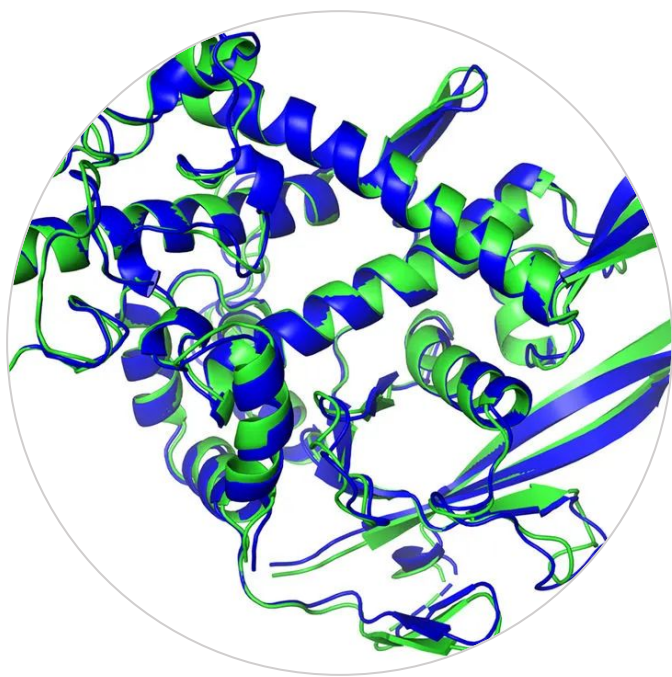


Computational simulation is an
epistemological revolution

From automated languages to
synthetic images, from digital
twins to extended realities ...

We live **by** simulations, now

Computational simulations: from words to worlds

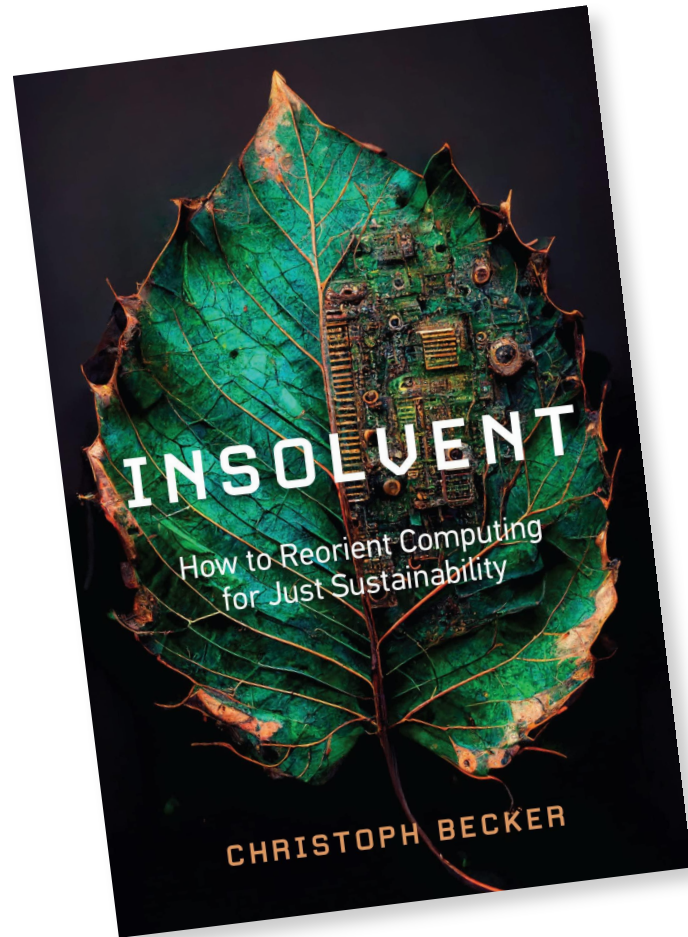


protein folding
(micro)



planet twinning
(macro)

My Key Takeaways



- ✓ Build (Your) Strategic Map for the Earth-2
- ✓ Embrace and Execute the (New) Fantastic 4
- ✓ With Great Power comes Great (Planetary) Responsibilities

thanks

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