Augmented Capabilities with AI

A pathway to operational efficiency

July 2024

What is AI?   **WAI**

What is the Problem?   **WTP**

Showcasing AI in Action   **AIA**

Augmented
Capabilities

Superhuman
Capabilities

Machine Learning	Narrow AI	Generative AI	Composite AI	General Purpose AI

The Dark Side of the Force

May the Force be with you

Show me the
data!

What's the
problem?

The Dark Side of the Force

Data coming from many sources.

Physical. Digital.

Signals

Events

Structured

Unstructured
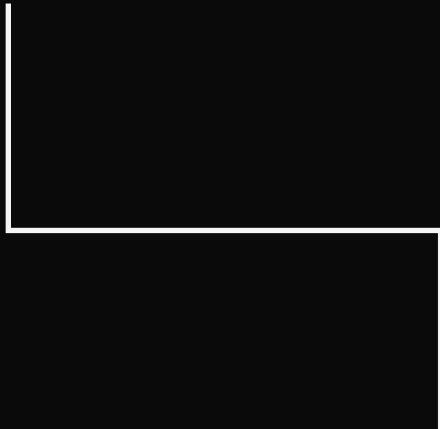
Actionable

Data | Intelligence
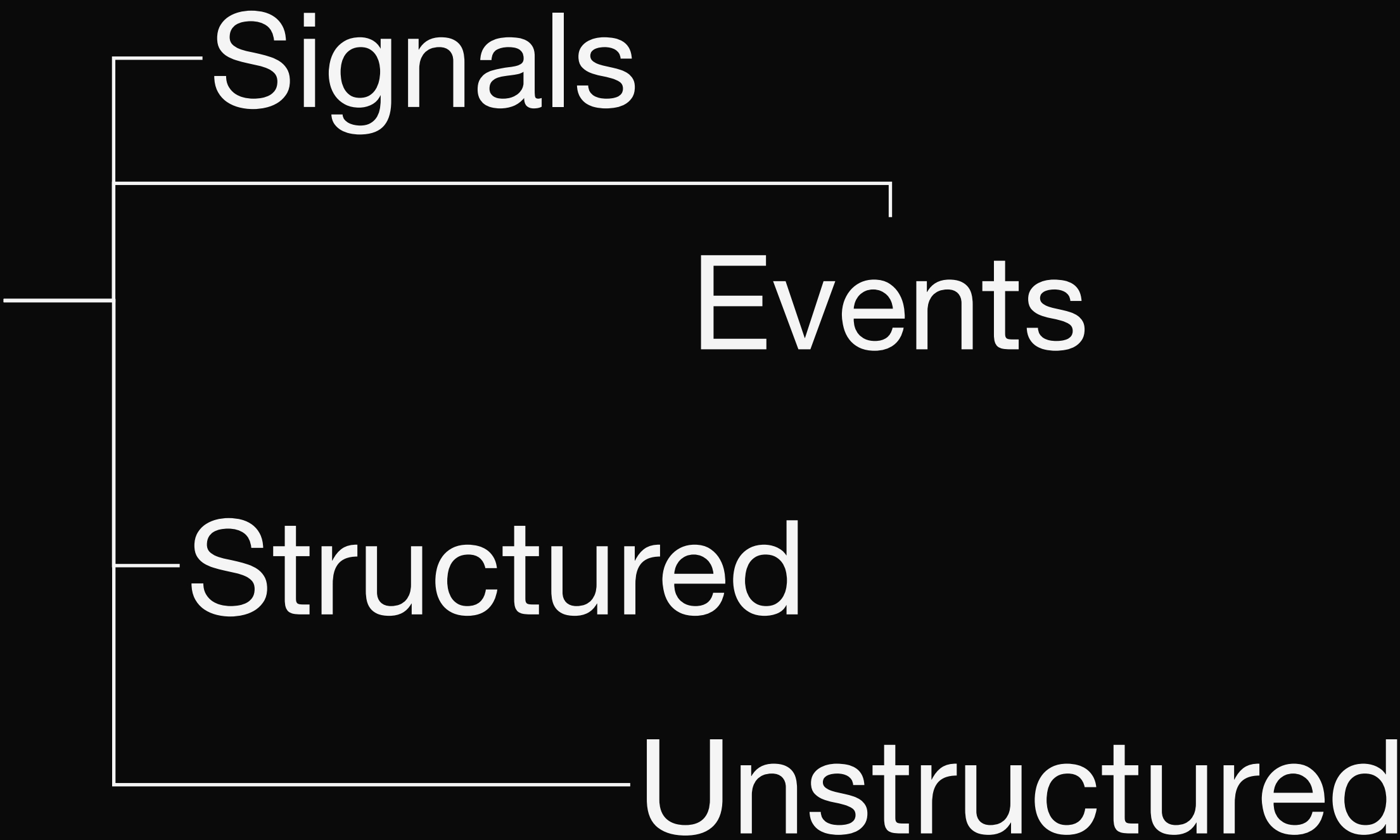
May the Force be with you

Classification

Operations
Markets

Prediction

Augmentation

Commodities
Climate Logistics

Black Swan

Economics
Geopolitics

Skitag-AI

Chaos Theory

Chance is nothing more than the measure of our ignorance.

Henri Poincaré
Science and Method

Arbitrage

Superhuman

"El azar no es más que la medida de nuestra ignorancia."

Skitag-AI

Close the Gap [Physical & Digital]

Smart Spaces

The AI Hub at Aramco

The home of our next-generation of digital innovation.

https://www.aramco.com/en/news-media/elements-magazine/2022/the-ai-hub-at-aramco

Simulations & Optimisation

AI-driven
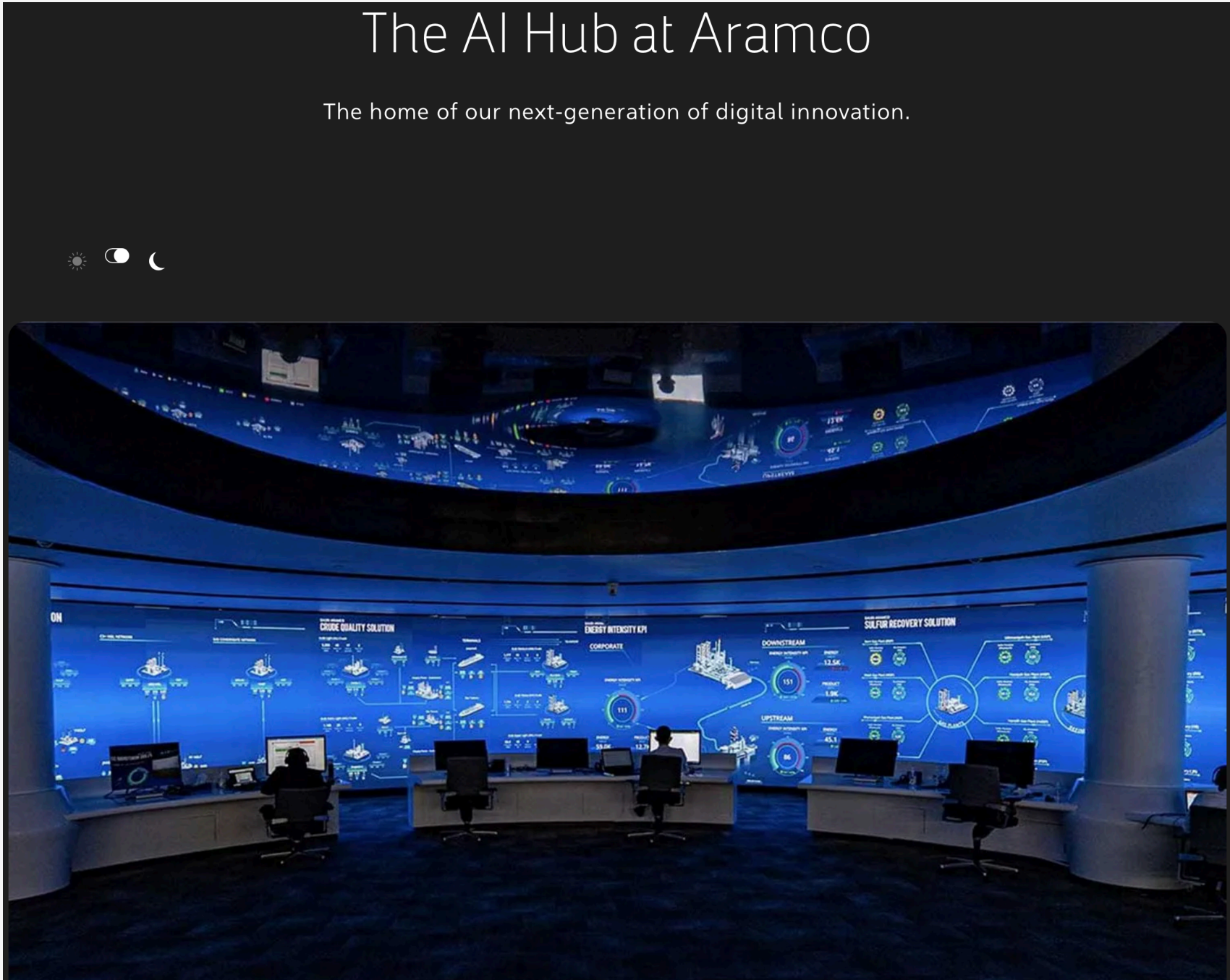
Robotics Digital Twins
Immersive reality
Optimisation and Simulations

Classification

Reduce Inefficiencies

Predictive Markets

Maintenance

Engineer Your Own Luck

Companies that modularize and externalize their best capabilities are in a strong position to seize unexpected opportunities.

Mark J. Greeven, Howard Yu, and Jialu Shan

June 5, 2024

Neil Webb/theispot.com

Prediction is hard. The longer the time range — six months, three years, a decade — the less reliable any forecasting becomes. And yet, some companies prosper through extreme uncertainties.
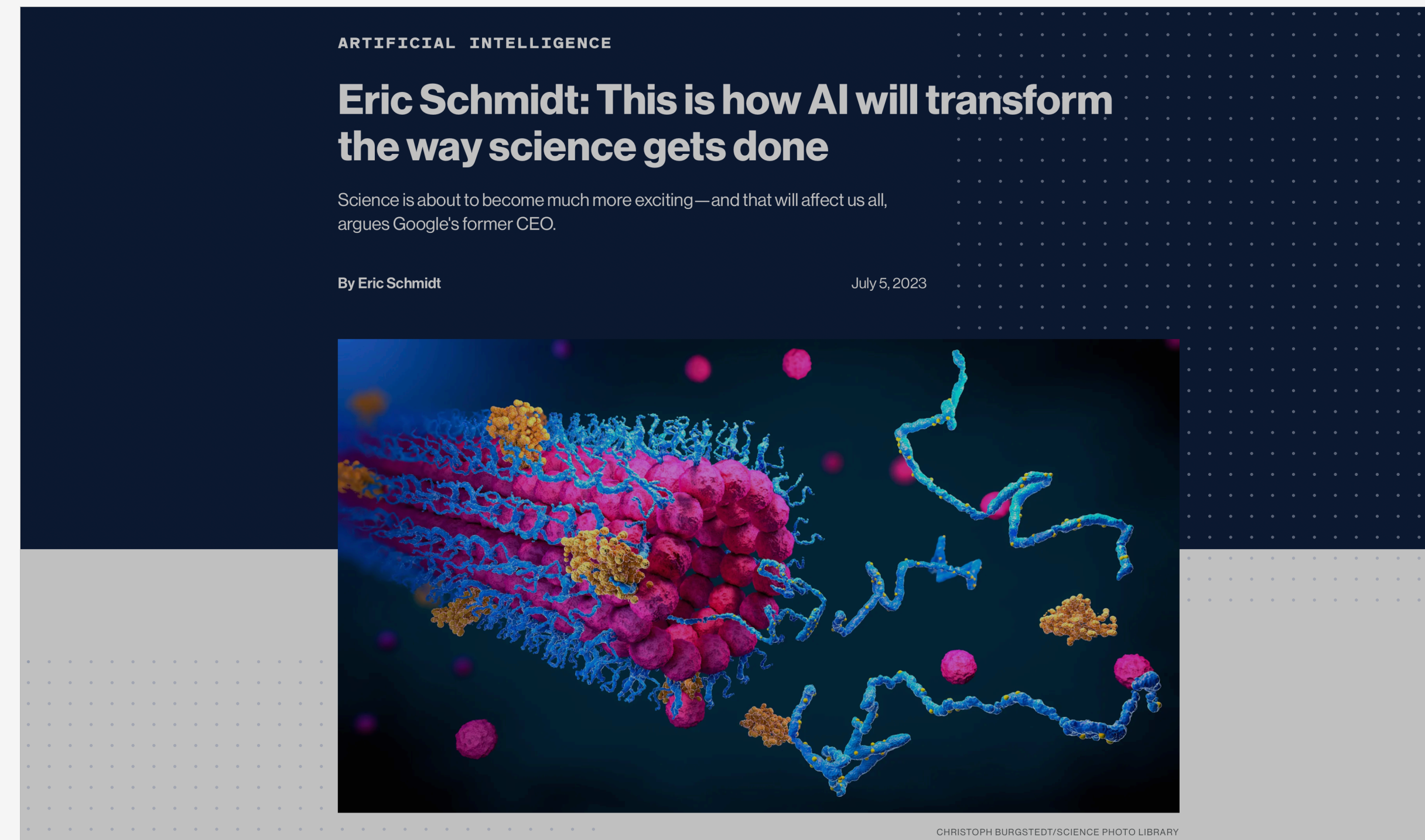
https://sloanreview.mit.edu/article/engineer-your-own-luck/

Anticipate
the Future

IoT&Data-driven

Arbitrage

Prediction

Augment your Capabilities

Lab &
Science

GenAI-driven

Bioengineering

https://www.technologyreview.com/2023/07/05/1075865/eric-schmidt-ai-will-transform-science/

Hypothesis Generation
Test Better

Augmentation

MELDS

Mindset

Experimentation

Leadership **[Ownership]**

Digital Technology

Skills

Human + Machine
Paul R. Laugherty and H. James Wilson

Skitag-AI

Thank You!