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The world is moving faster than ever, and the future feels harder than ever to predict.

Amidst the rapid changes, Artificial Intelligence stands out as the key technology of our young century.

It's set to drive tectonic shifts across every aspect of life as we know it.

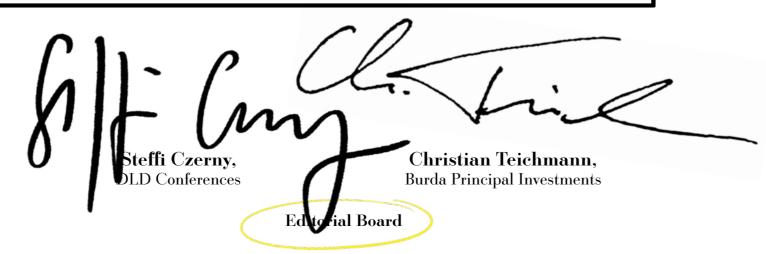
Change on this scale sparks creativity and innovation. But it can also stir unease—fear of the unknown, the hyper-complex,

In this context, AI is often compared to a black box. That's why we believe it's so important to Dare to Know. This isn't just about being curious; it's about having the courage to peek inside that box, to ask questions, and to really try and understand what AI is all about. When we approach it with open minds and a hopeful spirit, we can all work together to build a truly FUTURE POSITIVE.

The Promptah is here to shed light on that metaphorical black box. Only with an informed, optimistic mindset can we seize Al's opportunities and tackle its challenges. In its third edition, the Promptah serves up a carefully—and playfully—curated mix of news to use, and surprising insights from the smartest minds and role models who are currently working on unleashing Al's capabilities.

> Championing the vision of a FUTURE POSITIVE driven by thoughtful innovation, Esther Dyson headlines our cover. For decades, she has been a crucial voice analyzing technology's societal impact, consistently advocating for human-centric approaches. She was also the first to explain the Internet to all of us at Hubert Burda Media in 1995. She is still our hero today. Her renowned ability to see the bigger picture makes her an invaluable guide as we navigate AI, and a compelling example of leadership in forging a more beneficial technological future.

Let The Promptah be your source of insight and inspiration on the journey toward a<mark>n Al tuture that works for all.</mark> And let yourself be drawn in by our award-winning design—honored with the European Publishing Award and the iF Design Award 2025.







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Mind & Machine: The Myth of Conscious Al Anil Seth, University of Sussex

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ONSCIOUS AV

The state of the confident of the confid Throughout history, humans have

If brains are not computers, there is little reason to think that computation alone would been captivated by their reflecson to think that computation alone would ever give rise to consciousness. You could and, increasingly, in our advanced technologies, too. The tendency to project ourselves into our creations is nowhere more evident

So why are we so readily beguiled? For Narcissus, beautiful hevond measure seeing his ligence, and in the rapture-like enthusiasm in which some tech pioneers proclaim that Al systems

The question of whether AI could be, or become, conscious, is of enormous importance. With consciousness comes moral significance. If you can experience things, what happens to you matters. Conscious Al would have its own interests, not just the goals that we humans program in. And if conscious Al turns out to be possible, the prospect of living forever in a silicon dream becomes that

It is easy to be dazzled by the astonishing Al acceleration, and to forget the many and deep differences between our minds, brains, and bodies, and the impressive but limited

Here's one difference that makes a difference. Brains are not computers. The metaphor of the brain as a meat-based GPU cluster is beguiling and powerful, but it is a metaphor nonetheless. The more you face up to the disorienting complexity of a real brain, the less like a computer it seems. There is no sharp distinction between 'mindware' and wetware' as there is between software and hardware, and even a single brain cell—a neuron—is a devilishly intricate biological system. Whenever we confuse a metaphor with the thing itself, we lose sight of the wonder of what's really there.

ever give rise to consciousness. You could simulate an entire brain in molecular detail, but this would no more give rise to consciousness than simulating a hurricane would give

cissus, beautiful beyond measure, seeing his own face was enough. For the rest of us, the answers lie deep in our species' psychology, might not only be intelligent, but also conscious That they might of mind go together in us, it doesn't mean that they go together in general. To take the human example as definitional, rather than as one small region in a vast space of possible minds, is another way we get ourselves into

This is why language models such as Claude, Gemini, and ChatGPT are so effective at pulling our psychological strings. When something speaks to us, we invest it with all sorts of qualities: intelligence, mindedness, and even Consciousness. But language models are not interacting with us mind-to-mind, they are as philosopher Shannon Vallor puts it reflecting back to us a statistical distillation of our collective past (now with added fancy

Things didn't end well for Narcissus, and there's danger here for us, too. If we sell our minds too easily to our machine creations, we will overestimate what they are, underestimate who we are, and blind ourselves to the wonders of being a living human being.

Anil Seth is a Professor of Cognitive and Computational Neuroscience at the University of Sussex, and author of the Sunday Treuroscience at the Omversity of Sussex, and author of the Sund Times Bestseller: "Being You—A New Science of Consciousness."

By Anil Seth University of Sussex





Artificial intelligence lies at the heart of a global innovation race—and Bavaria is determined to take a leading role.

With BAIOSPHERE, the state has Yet, despite our enthusiasm for technology established a central Al network our direction remains firmly aligned that integrates research, business, and society. As Managing Director of the BAIOSPHERE AGENCY, Bavaria's Al agency, I experience daisionary yet responsible Al future.

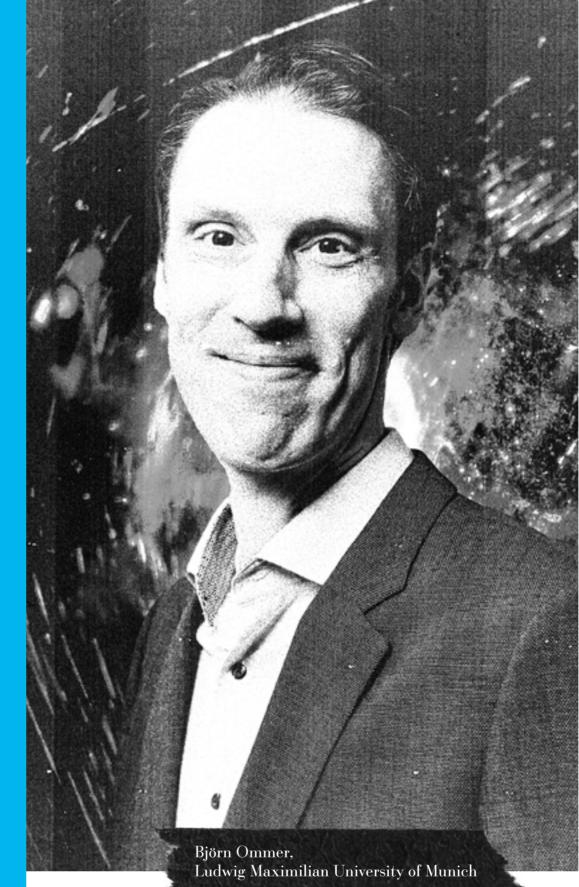
working science and business is a key to casing the latest Al advancements. Through initiatives such as BAIOSPHERE CONNECT and BAIOSPHERE CONFERENCES, we regularly bring startups, SMEs, and academia together to initiate joint projects generating both scientific and economic value. The Munich AI LECTURES, featuring international AI hought leaders, and the BAIOSPHERE take pride in the active involvement of mem-pers of the Bavarian Al Council and leading Al experts in developing the BAIOSPHERE



Michael Klimke, BAIOSPHERE AGENCY

Al can only respect our values if we shape it together. Bavaria within BAIOSPHERE to promote ethical and transparent Al. **Technology must strengthen** people and democracy-not endanger them.

Michael Klimke has been **Managing Director of BAIOSPHERE AGENCY/** the Bavarian AI Agency since 2022. This was commissioned by the Bavarians to network the Bavarian AI ecosystem of science, business, and society under the name BAIOSPHERE, and to create synergies.





Building a New Foundation Model

We're drowning in information, but we're starving for the true knowledge underneath.

What we try to go for, what our goal here is, is going in the direction of a more holistic, generalistic Al. One that has a lot of different capabilities, that is not only focused on just writing or just looking at images, but that can go all the way to acting as well.



A Push for Europe

We're already seeing major Al investments in Bavaria and across Europein compute, data, and algorithms. The next step is a mindset shift: thinking beyond scientific impact toward driving European innovation.



As members of the Bavarian Al Council, Björn Ommer and Fabian Theis help shape the region's Al future—lending their expertise and networks to both the Bavarian government and the pioneering BAIOSPHERE initiative.

art of the DLD Future Hub: Impact of AI, aking place at Amerikahaus in Munich.

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New power centers emerge, old ones battle for their standing, there are

alternative facts, authoritarianism is on the rise, trust is radically declining.

One of the main game changers that happened in the last 30 years is the rise of social media.

It's a very powerful tool. It's very addictive, but contrary to regular drugs, which affect your brain, social

media is not only very addictive, it's also very attractive.

I think that the move that

we see in Europe, and in other countries, from the idea of the end of history, from the

liberal democracies, et cetera, is being strongly affected by

social networks.

DLD Chairman

BENEDKT

The key question here is: Is there an end of history? Does history have a goal? Is there

a natural pattern of things getting better? Interesting and very philosophical questions. Are we ready to defend democracy? Are we willing to defend democracy?

Are we able to reverse the reversal of progress?



The End of "The End of History"?

I think from a European perspective, I we have to say today that we don't

really own Europe because we can't defend or protect it. And I think that's a challenge that we all have to

face up to.



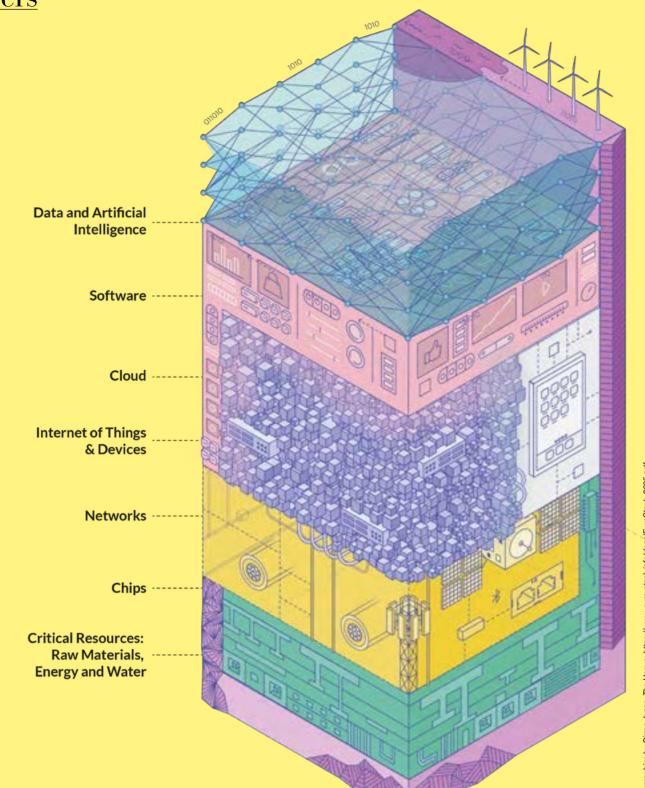
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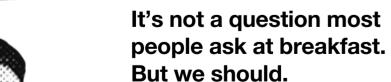
The Current Digital Stack

The layers



By Francesca Bria University College London

Who owns the infrastructure of your life?



We live inside systems we didn't design and They dictate the rules of innovation. They debarely understand. Systems that sort, recommend, approve, reject, surveil. Systems that They extract data from our schools, hospitals, process our health data, our money transaccities, and institutions. And increasingly, they tions, our identities-sometimes in the blink are setting the defaults for our democracies. of an eye, often without our knowledge, rarely
This is not simply a question of market share.

These systems aren't abstract. They are Europe didn't fall behind because we lacked

sensors, software, cloud architectures, AI We were early visionaries of public service inmodels, and opaque algorithms.

They form what we call the stack —the invisible scaffolding of the modern world.

corporations—headquartered outside Eu- not regulate what we no longer control. rope-control most of this infrastructure. cide who gets access, and on what terms. It is a question of sovereignty.

They are made of chips, cables, satellites, We invented GSM. The Web. The smart card.

But over time, we stopped building-and became comfortable regulating.

To be clear, regulation is important. The GDPR, the Al Act, the Digital Markets Act-And the stack is not neutral. It encodes decisions about power, value, and direction. It commitment to rights, fairness, and accountshapes who we are allowed to be, and who ability. They are admired and emulated globally. But if the 20th century taught us anything, In today's global digital economy, a handful of it is that standards follow capacity. We can-

> This is why we need to build again. The EuroStack is a call to action. Not a new product, but a shared

Not a tech platform, but a European

It means reclaiming agency over the key layers of the digital infrastructure: from foundational technologies like semiconductors and cloud, to enabling layers like digital identity,

The stack is the new form of construction of

We need sovereign cloud systems to host public data within democratic jurisdictions. We need interoperable digital ID and a digital Euro to empower citizens and businesses

We need Al trained on datasets that reflect European languages, cultures, and public values—not optimized for clickbait or control. This isn't about closing off from the world. It's

about building resilience. ternal platforms. Without investment in strate-

Other regions are not waiting. India built a

is pouring billions into its chips and AI infrastructures and reshoring critical technologies China's state-led approach blends planning and execution at scale.

Europe must define its own path

We have world-class research, vibrant civic tech movements, cooperative models, and cities like Barcelona, Munich, Amsterdam, and Vienna that are already leading the way. We also have the beginnings of a strategy: IPCEIs on microelectronics and next generation cloud, StackIt, open-source alternatives, The pandemic, the climate emergency, and a powerful High Performance Computing geopolitical conflicts have shown how depen- (EuroHPCs) network, trustworthy AI research, dent we are on fragile supply chains and ex- and data commons. But these initiatives remain fragmented. What we lack is coordination, ambition, and long-term commitment.

If we want a digital Europe that

European public good.

That means redirecting public investment toward public value. -open, democratic, decentralized. It means designing institutions and procure-

ment systems that serve ambitious missions,

people, and the environment. It means seeing digital sovereignty not as isolation—but as the foundation for democracy,

Let's stop outsourcing our technological future. Let's stop waiting for someone

The next decade will be defined by those who own the stack—and those who dare to

Francesca Bria is an innovation economist working at the intersection of technology, geopolitics, economy, cities and society. She is Honorary Professor in the Institute for Innovation and Public Purpose at UCL in London and a fellow at Stiftung Mercator.

Europe's Common Digital Stack SovereignAl Key components/ common services **DataCommons** Federated Data Exchange for Innovation This robust infrastructure is built around key components designed to strengthen Europe's autonomy and drive innovation. SmartEurope Trusted, and Connected **EuroOS** Europe's Digita Control Center Digital ID Wallet and Digital Euro) EuroConnect Pan-European SovereignCloud Europe's Secure and Scalable Digital Core EuroChips None of the visualisations are

payments, data governance, and artificial incial access in record time. The United States critical digital infrastructure as a

power in the digital age.

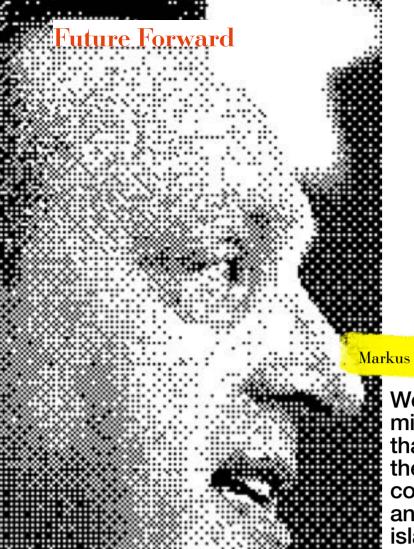
gic capacity, we will remain vulnerable.

powerful digital public infrastructure with Aadhaar and UPI. Brazil's Pix reshaped finan- reflects our values, we must treat

build one worth living in.

else to solve it.





Dorothee Bär, German Federal Minis of Research, Technology and Space

I think it's important to just begin. I like the American sentence, "Do it now, say sorry later."

<mark>larkus Haas, O₂ Telefónica</mark>

We need a digital ministry in Germany that brings together all the loose ends, that consolidates all the IT and digitalization islands that we have today.





Why do politicians waste so much time on discussing what coalition is NOT possible? In a situation where, even if there are significant differences, those positions need to be overcome.





The question is, how will a country that dominated the technologies of the

20th century dominate technologies of the 21st century?



The U.S. is putting so much money into highly innovative technologies for industries like defense. We know we need to be able to defend ourselves. So why don't we make sure that we also connect this need with developing highly innovative technologies?





REDEFINING INTELLIGENCE:

Colin Jarvis, OpenAl

HOW REASONING IS

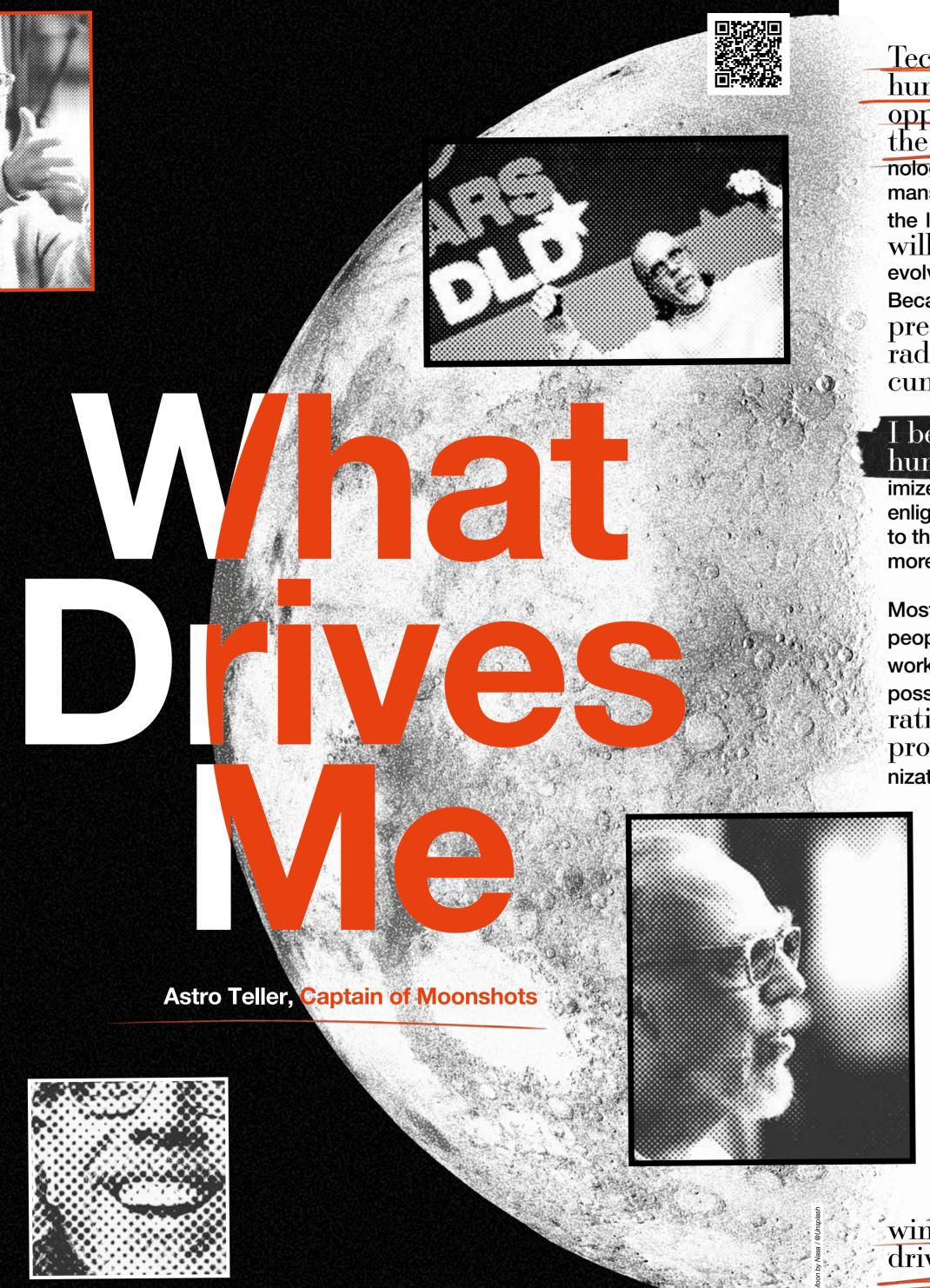
We think, 2025 is the year of Al agents. You can think of them as the assistant that you can talk to. RE-SHAPING AI

I think what we're going to allow them to do is to do more complex things.

As long as they reference, as long as they check their work, and as long as we use the right level of validation before we roll these things out, we're going to be able to do much more sophisticated things with these models in the coming year.

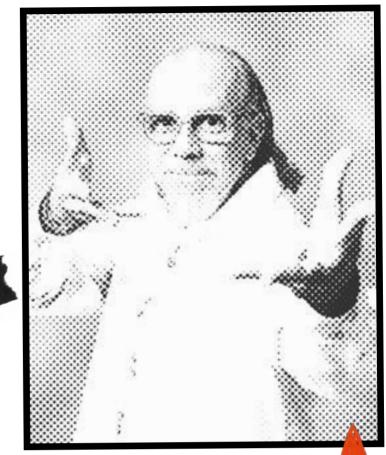


In the years forward, we might even start to approach super intelligence where models are coming up with novel discoveries themselves.



Technology is humankind's opportunity for making the world a better place. Technology is one of the few things that humans can create and control. Technology is the longest lever for society's collective will and imagination. And technology is evolving faster than any other part of society. Because of those factors, technology presents the most opportunities for radical transformation of our circumstances as a species.

believe in people and I believe in numanity. People will generally act to maximize their own best interest, but I believe that enlightened self-interest is enough for humanity to thrive and for society to bend towards being more equitable.



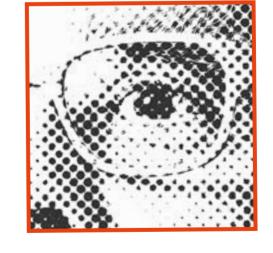
Most organizations struggle to be innovative for two reasons. Firstly, people bring their fears and self-limiting beliefs with them to work. Secondly, most places fail to build a culture in which it's possible and even attractive for employees to act with a collaborative growth mindset. I believe that even modest improvements on the second front within innovation-seeking organizations would produce significant incremental value per dollar spent over the long term.

When innovation-seeking organizations are wired to think long term about how they invest in their people and their efforts, and when these organizations are wired to have their success assessed over the long term, I believe these organizations will produce more value per dollar

spent than most other organizations currently do. They will also do more good for the world per dollar spent than most organizations do, while investing in their employees more deeply at the same time.

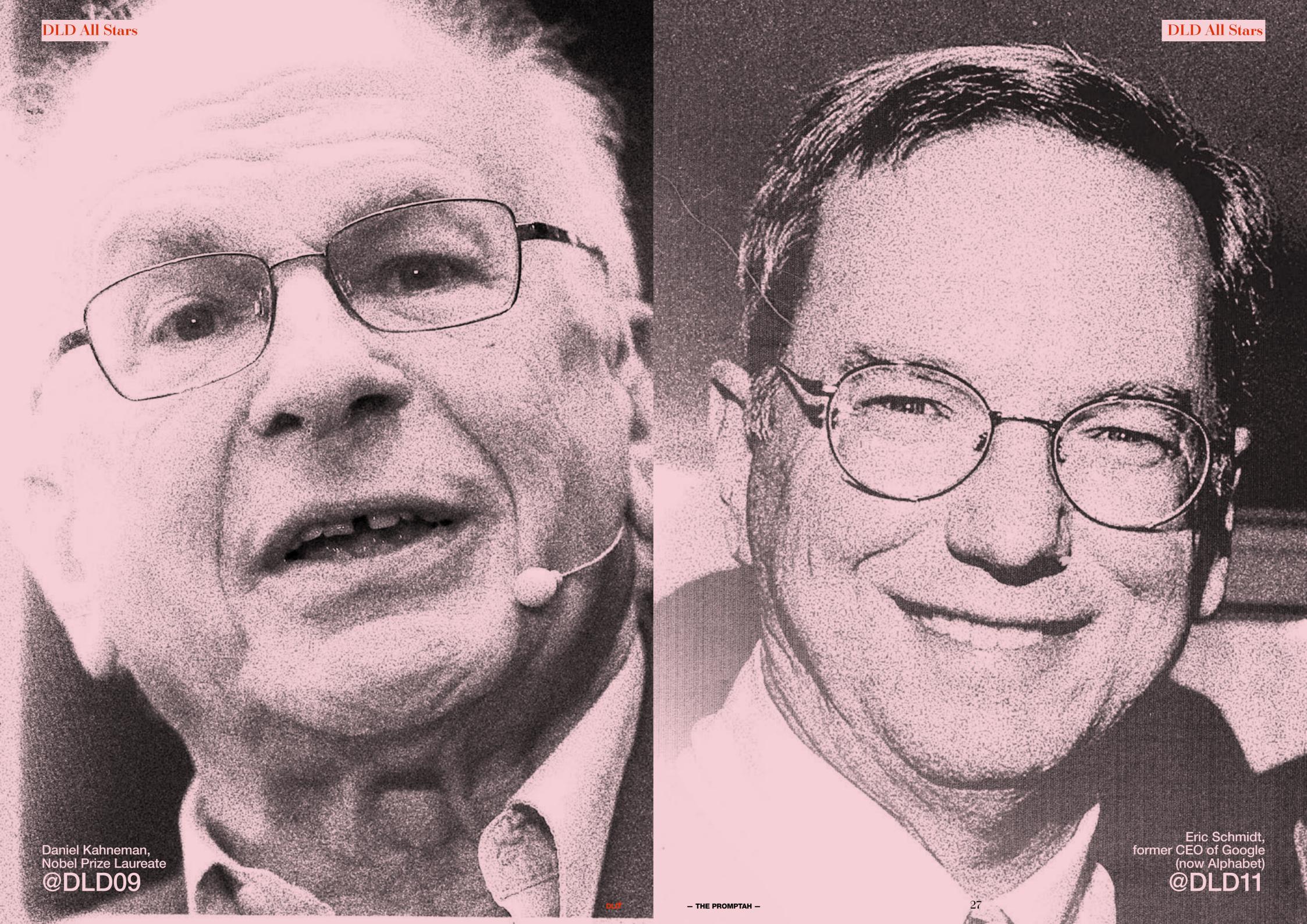
The opportunity to demonstrate such a win-winwin scenario is what drives me.

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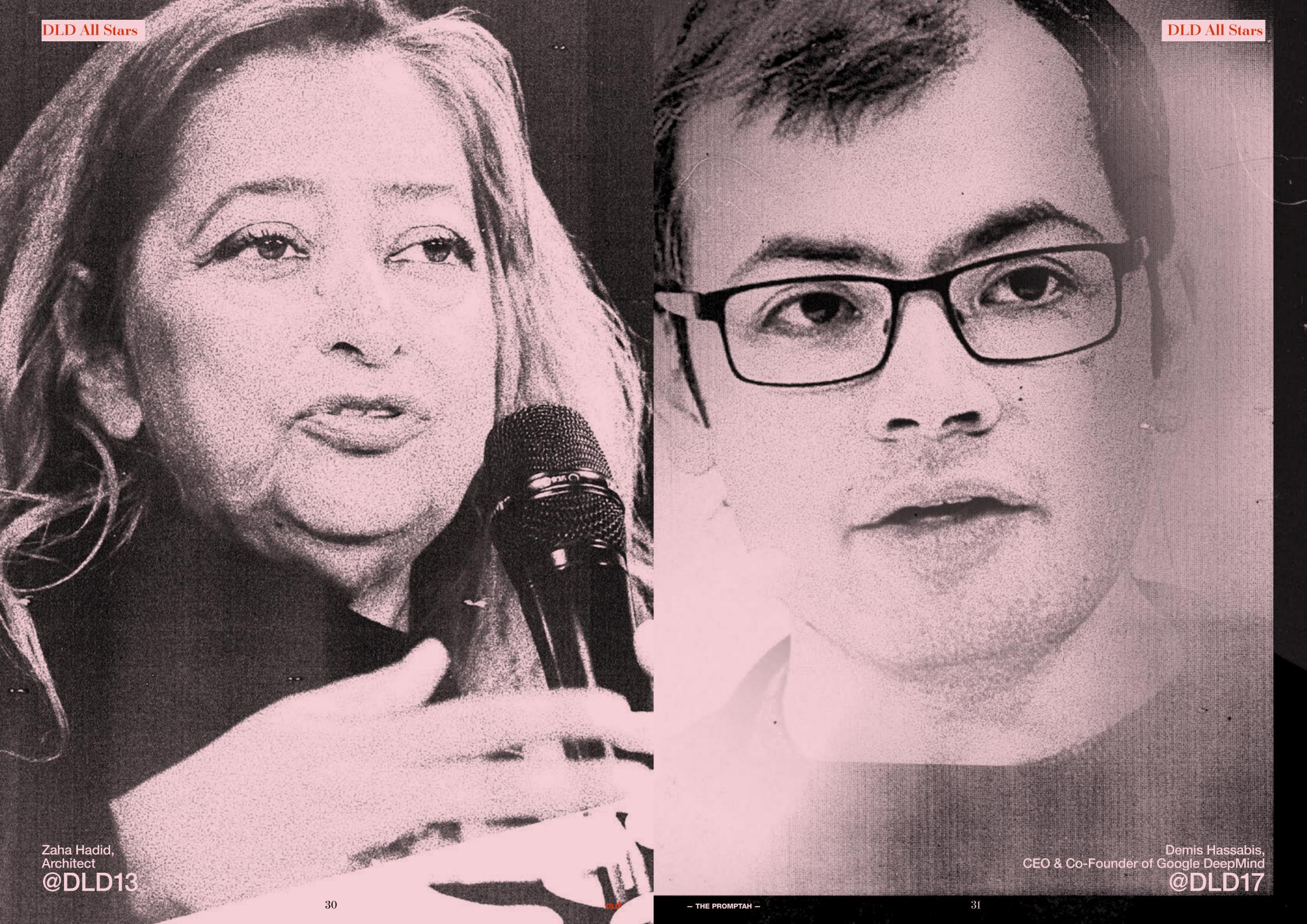


Astro Teller heads X, Alphabet's renowned innovation lab dedicated to developing radical new technologies to solve some of the world's most in-











chance and How to Embra Proxima Fusion is developing Stellaris, their vision for a commercial power plant utilizing stellarator technology to By Christian Teichmann achieve controlled nuclear fusion. Francesco Sciortino, Proxima Fusion

At DLD25, I had the pleasure of having Francesco Sciortino, the co-founder and CEO of Proxima Fusion, on stage. The title of our panel was "Game-Changing"

> thousands of different versions of chines for fusion. within just 18 months.

We chose this headline to discuss and production skills and facilities across Eu- build its first trillion-dollar start-up?" and reand showcase the power of ma- rope, many of them underutilized. Francesco sponded that the EU first needs to solve a chine-learning-based and simula- Sciortino spoke about his vision of a net- lack of experienced founders, a lack of 'audation-driven engineering and how it worked production. While they invest heavily cious capital,' and excessive US buyouts. in R&D and simulation-driven engineering, Pieter Garicano, in his post "Failure Cost" -a will change the engineering world. they will also leverage existing manufacturing response to lan Hogarth's article—cited a pa-With his concise team of engi- know-how in Europe. As such, Proxima Fu- per by Olivier Coste and Yann Coatanlem that neers, some of whom come from sion signed a partnership with Bilfinger Noell argues: "The reason more capital doesn't Formula 1 teams, he has managed to leverage its experience and skills to build flow towards high-leverage ideas in Europe is to design and test hundreds of complex magnet systems and special ma- because the price of failure is too high. These costs arise when a major venture fails; it fol-You wish and hope that brilliant entrepre- lows that the higher the probability of failure in the stellarator for fusion energy neurs like Francesco Sciortino, who deliberas a sector, the greater the relative disadvantage ately choose to start their businesses in Eu- for Europe. The lack of repeat founders and rope, succeed at speed on a global scale. 'audacious' venture capital are symptoms of Another important aspect Francesco Sciorti- There are so many other examples of brilliant this underlying malady." The problem is not no mentioned is their approach to manufac- founders and talent in Europe. In late 2024, that Europe lacks ideas or ambition. Europe turing. There are numerous manufacturing lan Hogarth asked the question "Can Europe" has many talented researchers and entrepre-

Start-up Hubs ranking 2025.

neurs filing patents. In terms of filed patent tal-intense industries such as artificial intelliapplications, Europe is not far behind the US gence, fusion energy, quantum, or space tech. by 3x in 2023. Innovation isn't stalled at the most promising teams rather than national for Europe really matters and is existential for commercialization stage either. Europe has competition for capital and talent within Eu- Europe. fantastic university programs for this transla- rope. We should aim to consolidate venture Just weeks after this year's DLD, the EU pretion such as UnternehmerTUM in Munich and businesses in these sectors much earlier than sented its idea for the '28th regime.' These EU many others-150 in total-that were listed we currently do. That way, venture compalegal frameworks won't replace national laws by the Financial Times in its Europe's Leading nies become more competitive for large tick- but offer an optional alternative. It aims to ets from both key accounts and investors. Al foster an innovation-friendly environment that When thinking through Hogarth's original will define the future of intellectual property— makes it simpler and faster for European question, "Can Europe build its first tril- an essential pillar of both democracy and the innovative startups to grow and scale up in a lion-dollar start-up?", I think that there is one modern economy. Hence, AI sovereignty single European market. terms of the 'Airbus idea,' particularly in capiably, fusion energy, quantum, and space-tech role globally.

Christian Teichmann is the CEO of Burda Principal Investments, the international growth capital arm of Hubert Burda Media. He spearheads BPI's global investment strategy, focusing on scaling high-growth digital and technology companies in areas like consumer internet, fintech, and enterprise software.

and Japan while China outperformed the US We need more Europeans uniting behind the fall into the same category where sovereignty

other very important and fundamental aspect should not have a defensive touch, but it is Early consolidation, along with the EU's that we should consider. European venture key for European corporations to have control planned '28th regime,' could propel Europe businesses must get much bigger much faster. over their data and the Al capabilities they towards more sustainable global competitive-We need a more European mindset, more in need to be able to shape their future. Argu- ness and enable it to play a more significant

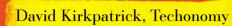
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Shaping the Future of Mobility:

Transportation represents something over 20% of global greenhouse gas emisse.

The emissions from transport have actually been growing despite the extraordinary success

But there is a lot of optimism about the potential of hydrogen in the energy transition, beca

The Role of

Michael Rath, BMW Group

 $_{\it W}$ hen it burns it just creates water as the exhaust.

83% of the battery capacity for automotive is coming from Asia. And

 y_{t} s us at a great risk, especially today when we all think of the geopo

Jennifer Dungs, EIT InnoEnergy

 $^{\circ}$ tariffs and the global tensions. The battery is around 40% $_{\circ}$

 $\sigma_{\rm cost}$ of the car. That's a huge price lever that Asia or any \cos^{2}

owns that component part can impact on the whole product.

Hydrogen

We think there is a need for a second technology alongside battery electric vehicles to walk,

Soro emission. And this technology is fuel cell electric vehicles. The

rence to EVs is how the energy is stored. In fuel cell electric vehicles

of storing the energy within the car in huge batteries, the energy

of the desired as gas, as hydrogen gas in a hydrogen tank.

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and Beyond



Bridging the Divide— How to Link Nature and Financial Systems



Is this the moment when we need to create a new informational infrastructure—one that allows us to work fairly, transact, and invest? What kind of moment are we in?



The starting point for different societies and different industries is so different that ... you have to create a new currency. You cannot simply say this will be dealt with in euros and dollars.



The situation is serious. We should not underestimate what is happening right now: the destruction of nature, biodiversity loss. The protection of nature and biodiversity is very important for our souls, but also for business.

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Andreas Ussantz, Infinern Technologies

When we check our social media, ized society are all available, made possible read or watch the news, one thing by incredible advances in semiconductor quickly becomes clear: We live in times of profound change. Everything seems to be in flux. Our world

Supplemented by the necessary infrastrucis becoming increasingly polar- ture, including storage systems, cheap and **ized, with ongoing conflicts fueling** clean energy can be available day and night. **instability. Inflation threatens our** The electrification of industry and mobility is economies and increases social underway on a global scale. inequality. Nationalism is re-emerging as a supposed alternative to globalization, and geopolitical tensions are rising.

they once relied on. Uncertainty has become gines emit every year.

In these times, it can be tempting to try and vation rarely happens in isolation. The more stop or even turn back the clock. But this is a we work together, the better our chances of misconception. Change does not stop just developing new solutions that will help us because we close our eyes. This is especially achieve a low-carbon economy. That's why true when it comes to our climate. If we don't we need to build strong ecosystems where want global warming to worsen, we need to established companies, startups, and react now. And with technology developing search institutions work closely together to much faster than humanity can adopt, we bring innovation to life. have to make choices when focusing on what I put my energy into imagining the future that we can control. Even in these times of uncer- I wish it to become. Into driving the transfortainty, global decarbonization efforts are a top mation instead of being transformed by realipriority. We must continue the path set out in ty. I am convinced: If we focus on what we the Paris Agreement. For me, this means two can control, decarbonization becomes a catpriorities: innovation and collaboration. alyst for us to work together, to drive innova-

a long way: the technologies for a decarbon- what we create.

technology. Renewable energy from the sun and wind is already cheaper than any other form of energy, cheaper than fossil fuels.

We are also improving the energy efficiency of existing and emerging applications, such as artificial intelligence. Energy efficiency in power-hungry applications such as Al data centers is reaching new heights. We can limit this momentum with high-efficiency power At the same time, we are witnessing remark- solutions. Just one example: If all the world's able technological breakthroughs. Artificial data centers used the state-of-the-art power intelligence is reshaping industries and dis-supply solutions we offer at Infineon Technolrupting the world as we know it. The pace of ogies, we could save about 22 million tons of change is unsettling for many people. They CO, per year. That's about as much CO, as feel that they are losing fixed points on which 7.5 million cars with internal combustion en-

And we also need more collaboration. Inno-

Innovation allows us to imagine and create tion, to create business value-and most imthe solutions we need to meet the challenges portantly, an obligation and responsibility to of decarbonization. That's why we need to protect our planet for generations to come. put all our effort into it. We have already come Because future is not what just happens. It is

> Andreas Urschitz is a Member of the Management Board and Chief Marketing Officer (CMO) at Infineon Technologies, a global leader in semiconductor solutions. He is a passionate advocate for leveraging technological innovation, particularly in power systems and IoT, to drive global decarbonization and enhance energy effi-



A New Frontier in Cancer Treatment

Cyriac Roeding,

What if we could

What if we could tell it what to do rather than us trying to catch up with the latest mutation and constantly being at least one step behind? That's what we're trying to do at Earli.

Transforming Health Care



Can Nature Save A1?

Fred Jordan, FinalSpark

AN ORGANOID IS

a collection of living neurons

••• And the purpose of what we are doing is to use them as a new type of processor. They are 100% alive.

To address the

Andrian Kreye, Süddeutsche Zeitung

WORST PROBLEMS OF - In this case - I

Organoid Computing:

you draw from the best of nature.





Slowing Down the Aging Process

Loooooooooogevity NOW

Chris Mirabile, NOVOS

Aging isn't some immutable force that's programmed into us necessarily. It's multiple factors that are kind of conspiring against us, causing the degradation of our cells and, by extension, tissues, organs, and our whole body.

Marco Iannaccone, HypoVereinsbank/UniCredit Nina Ruge, Author & Journalist

solutions a bank can design for the future—for people living live longer and healthier lives longer, healthier lives—in areas like insurance and finance. So that when the time comes, after years of working and taking care of yourself, not only can you live longer, but also enjoy life and benefit from the

plans you made early on.

We're looking into what kind of I believe we can slow down the aging process. And if people through longevity programs, we have to discover new business models for them.





It's All About the Data ...

AI, Health & Confidentiality

Jennifer Schenker, The Innovator

At a time when we're navigating complex global health challenges, the fusion of technological breakthroughs and rich, valuable data promises to open a vital gateway to a model of care as finely tuned to individual needs as the rest of our digital interactions.

Björn Eskofier, Friedrich Alexander University Erlangen-Nürnberg (FAU)

The children of the future will be born with access to this personal health data space and for them, it will be easy to gain access to their personal data in this internet of health

No one wants to give up their personal data because it has massive economic value. It's about getting provable security, provable confidentiality -otherwise no one trusts it.

44 45 DLD - THE PROMPTAH -





We are entering a new age of enhancements:

Advancements in technology and biology are paving the way for significant improvements in human capabilities and experiences.

We are experiencing a time of real innovation, unlike the past 20 years:

Unlike the previous two decades, current developments focus on transformative changes that could enhance human life fundamentally.

our biology and brain will change dramatically for the

Future innovations are expected to improve our physical and mental health, making us more resilient and capable.

Some people will choose to stay natural, while others will opt for enhancement:

As enhancements become more common, society will see a divide between those who prefer natural living and those who seek to enhance their abilities.

All world religions have had tools for enhancement:

Throughout history, various religions have utilized methods, such as rituals and substances, to facilitate spiritual growth and transfor-

The desire to transform and change reflects a human wish to connect with the divine: The desire to transform

This longing for improvement is driven by a universal quest to reach higher states of existence or understanding.

Performance-enhancing drugs are being endorsed, requiring them to be classified as medical products prescribed by doctors, similar to how engineers work with cars:

The medicalization of performance-enhancing substances could standardize their use, ensuring safety and efficacy under professional guidance.

Aging will be different in the future: we will not age as we have in the past:

Innovations in health care and biotechnology could alter the aging process, allowing for extended vitality and health.

Data is needed for per-

formance-enhancing drugs: Scientific research and evidence are necessary to establish the safety and effectiveness of these substances.

- THE PROMPTAH -

libertarianism,' where individuals and communities wish to take charge of their own health rather than relying on the state:

autonomy over their health choices, advocating for personal responsibility.

Christian Angermayer,

Apeiron Investment Group

in conversation with

Anne Philippi, The New Health Club

Preventative sessions

help prevent mental health

Utilizing psychedelics in a therapeutic setting

may offer proactive mental health strategies.

The definition of medicine is shifting toward preven-

tion and a more libertarian

There is a movement toward prioritizing pre-

ventive care and respecting personal choices

Psychedelics can serve as medicines, though the

stances can be problematic:

While psychedelics hold therapeutic poten-

tial, their legal status poses challenges for re-

legalization of such sub-

approach:

problems before they de-

velop into depression:

with psychedelics could

Psychedelics were ready for use but were demonized the right to define their own by the government under Nixon and traditional media, leading to a stigma that lasted 30 years, despite their promising results in treating depression:

hindered their potential benefits in mental health, overshadowing their therapeutic applications.

We are experiencing a redefinition of personal health and a rise of 'health

There is a growing trend for people to seek

Everyone should have bodies:

Individuals should have agency in determining how they manage their health and enhancements.

A new definition of medicine is needed; the current Historical backlash against psychedelics has definition has been in place since the 1920s, which limited freedom and introduced risks:

> The traditional medical model may not adequately accommodate contemporary advancements and patient autonomy.

The Flexner Report defined illness and deviation from the norm, contributing to the misconception that being gay was an illness:

Historical definitions of illness based on societal norms have had lasting negative impacts on marginalized groups.

🍱 In ancient Greek culture, psychedelics were used twice a year in a defined setting, suggesting that modern use should also be intentional and somewhat medical:

Human 2.0

Historical practices highlight the importance of structured environments when using psychedelics for maximum benefit.

At age 30, our brains may Tose interest in innovation and openness, affecting the ability to learn new things: Brain plasticity typically decreases with age,

which can limit engagement with new ideas. Psychedelics can help rejuvenate the brain, allowing for "changing your mind" and promoting neu-

roplasticity: These substances may facilitate brain reorganization and cognitive flexibility, enhancing learning and creativity.

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When appreciating the roots of DJ culture, we must look towards the Caribbean as a land where the foundations were laid for much that has since come. It was in the 1940s, in Kingston, Jamaica, where the concept of the Soundsystem was first introduced: an outdoor party where huge speakers would be loaded on a truck alongside a generator, turntable and microphone. Soundsystems would be run by certain groups who would charge for an admission fee as people would gather and dance to the music. The earliest sounds that were played in Jamaica were American Jazz as well as Rhythm & Blues recordsthese were the same songs that were being played on the local radio stations and whilst the British ruled Jamaica, up until 1962, it was strictly British and Amercian music which was allowed to be played on the radio. Many of these records were imported directly from America as many Jamaicans would spend the summer seasons working on farms in America.

Tab Smith— My Mother's Eyes-1953

This American connection very much informed the sounds that were played at the earliest outdoor parties, however, it was after the first Jamaican studios were built in the 1950s that the island started to develop its own sound as the 1960s arrived. Fusing together the traditional Calypso and Mento elements alongside American Rhythm & Blues, the sound of Ska was born. Characterised by bars made up of four triplets with constant basslines and quitar chops on the offbeat. Ska was a dancefloor-oriented sound which tended to make an audience shuffle. It was a sound which arose shortly before Jamaica's independence and, crucially, it allowed Soundsystems to play the music of local artists at a time when radios were still not allowed to under British law. This elevated the popularity of Soundsystem culture and suddenly the DJs were crucial mouthpieces for the unheard sounds hailing from the island. DJs, producers and operators such as Prince Buster, Duke Reid, and Clement Coxsone-Dodd were central forces for the growth of this sound, recording in their independently built recording studios before using their Soundsystems to reach the masses.

Prince Buster-One Step Beyond–1964*

As the dances became more popular, the concept of the Soundsystem clash came to fruition—a scenario where multiple Soundsystems would compete against each other, playing the hottest new music, taking turns to play on their speakers whilst the winner would be judged by the audience's reaction to their choice of music. This competition drove the DJ culture and so, Soundsystem DJs would go to the local studios to find the best, unreleased music. They would ask producers to double certain records they had, pressing new songs onto acetate discs also known as hot wax. The use of 'doubling' is where the word 'dub' stemmed from, and so a one-off, unreleased record became known as a 'dub-🌠 plate'—a term that still exists in DJ culture around the world now. As the 60s continued, a new sound came out of Jamaican independence-Rocksteady. The precursor to Reggae, its sound was heavily influenced by the American Rhythm & Blues music, underpinned by a soulfulness that was expressed with slower rhythms and a more romantic disposition. The birth of Rocksteady chimed with the inception of multi-track recording as certain studios began to gain more modern forms of technology that aided the recording process.

n 1968, Soundsystem operator Rudolph 'Ruddy' Redwood also known as Mr Midnight was looking for exclusive tracks to play at a dance he was running. He approached his good friend Duke Reid, one of the pioneering figures in Rocksteady whose label 'Treasure Isle' very much laid the foundations for the Reagae music which followed, and asked him if he had anv unreleased music that Redwood could play to excite his audience. Duke Reid

QOOKS-DLD Music | Solution Haseeb Iqbal is a London-based DJ, broadcaster, writer, and curator celebrated for his deep and exploratory approach to music. DLD - THE PROMPTAH -

song called 'On the Beach' by The Paragons. In fact, it was his engineer Byron Smith who cut the song in the studio for Redwood and the following day when Redwood, dropped the record, something strange happened. The vocals didn't arrive. After a few moments. Redwood realised that Byron Smith had accidentally left the vocals out whilst cutting the song on the new multi-track mixer. Within a few seconds, he observed a crowd response he had never seen. A crowd of dancers absolutely losing themselves with excitement, loving the music, able to appreciate the flowing

DLD Music School

instruments and the enchanting sonic developments of the production. The Soundsystem's MC, Wassy, then started to freestyle on his microphone over the instrumental song, sending the crowd into even more excited disarray. Apparently, the response was so good that they played that song on repeat for

The Paragons— On the Beach-1968

Suddenly two musical visions were born. The vision for instrumental dance music on a soundsystem. And the vision for an MC to freestyle over music in front of a crowd: rapping. The following day, the record producer Byron Lee told his friend about what had happened at the dance and his friend took great note of this. His friend was a man called King Tubby, known for running a TV and radio repair shop as well as helping repair soundsystems which would struggle with the precarious tropical climate of the island. He also built amplifiers and ran his own Soundsystem, obsessed by the science that surrounded sound and deeply knowledgeable about the sonic components. King Tubby was fascinated by what he had heard and spent the next few years experimenting with the multi-channel mixer and exploring the possibilities of instrumental Reggae music, which came to be known as Dub. Through manipulating frequencies, emphasising basslines, distorting arrangements, and implementing delays, King Tubby laid out the foundations for a brand-new vision of sound. Dub music was born, and he was heralded as the inventor of the remix. The Soundsystem parties now no longer just focused on the vocal music but instead put great emphasis on the instrumental Dub sounds as drums and bass mixed with more melodic elements to create a fascinat-

Mudies All Stars—Black Stick Rock (Version)-1972 (Engineered by King Tubby)

t was during this time that the foundations of Jamaican DJ culture took off and reached New York as DJ Kool Herc moved to The Bronx in the late 1960s after growing up in Jamaica. Deeply inspired by the Soundsystem parties and relationship between the microphone and turntable, Herc pioneered the use of two turntables. He would play funk and soul tunes, isolating the percussive breaks—a technique which became common in Jamaica allowing the instrumental drum elements to flow for longer and allowing MCs to freestyle over those sounds with a microphone. This laid out the vision for the hip-hop culture that followed as the microphone became a key part of the African American expression, voicing the tough realities that faced the youth in the big city. Thier percussive, rhythmic sounds inspired a culture of dancing and art as breakdancing and graffiti thrived throughout New York as young people found new outlets to express themselves.

Gil Scott-Heron—The Revolution Will Not Be Televised-1971*

& *Afrika Bambaataa—Zulu Nation Throw Down-1980*

The synthesizer works in a similar way to AI.

Back when I started making music, the synthesizer was invented to give composers ideas—but not necessarily to be creative without the presence or the aid of the creator.

Al today also requires the input of a creator and therefore is no different!

The concept is basically simulating what I would do if I were standing in front of an orchestra, playing the music I have written. And as I am standing there listening to it, I may say to the violins: "Let's separate rather than playing unisono."

With a fair-minded composer using AI, the technology is utilized to enhance the original thought. It will be used to provide more ideas, but always based on the composer's original idea.

You ultimately make the decision whether the result an Al suggests or provides is serving your idea or not.

I think that the art and the beauty of a musical piece is always in the eye of the beholder.

It's up to the listener to decide whether they want music performed completely organically, or an Al-enhanced interpretation, or one where technology had some hand in it.

When I got my first drum machine, my band was SO pissed off.

I got my drum machine because I had heard this song ("Pass the Dutchie" by Musical Youth, 1982).

And I said to myself: "What is that? What kind of sound is that?" And they said: "That's what they call Dancehall Reggae." I asked what made it Dancehall Reggae, and they said: "It's a drum machine." That's why I went out and bought a drum machine and wrote Carly Simon's

Imagine this song without a drum machine! The song feels like it has got a backbeat and a groove. A drum machine sounds consistently the same way. I can't imagine a real drummer sounding that cool. It needed to be exactly the same timberal quality to become that hypnotic. And that was not the basis of the song, that was just an element.

Musical Youth
Pass the Dutchie

I understand that AI can achieve results that come close to what I was doing manually, without any machines involved.

"Why."

And if the listener does not mind or even prefers that, I should not be the one to dictate that choice. People's tastes change, and who am I to say that if they like it—

YOU SHOULDN'T LIKE IT BECAUSE I DIDN'T PLAY IT?

If people like what I do with AI, how can anyone go back and tell people that they are wrong? It's just a matter of preference.

A lot of times, a song I wrote might not have even existed without technology behind it and new tools that fed into that. Sly and the Family Stone did "Family Affair" with the Rhythm Ace or the Maestro Rhythm Boxes. You can't imagine that song without those tools. They created a completely unique sound. A great example of technology helping to create a unique result.



Sly & the Family Stone Family Affair

I am old-school, and I like my mistakes. I like trial and error. I like messing up, so I can fix it.

I wish, I got everything right the first time, but I never do. I don't really use AI in my work, so I am not sophisticated enough to talk about its limits or what it is lacking, but I can only imagine what it can do.

My whole career and all of my songs would have been very different, had I had the tools that people have today. What I had was a certain amount of intellectual knowledge that I wanted to impose on top of pop music, which at that time sounded very stagnant to me.

David Bowie used to say to me: "Nile, darling, I want it to be the same, but different."

But how do you give it a different vibe unless you have enough intellectual and musical knowledge to change it, without it sounding weird.

David Bowie
Let's Dance

DLD

- THE PROMPTAH -

To me, the definition of a true artist is someone whose art communicates to the souls of a million strangers.

What my teacher taught me is: Art allows you to touch the souls of millions and millions of people that you will never meet.



Live performances are always fun, always interesting, always intellectual, but also always physically challenging! It might sound easy, but it's hard to play my guitar parts, even for me! And now, that the songs have a life of their own, I sometimes change the nuances of a specific lick or riff. You might not hear the difference, but I am convinced that the listener will feel my excitement. That to me is the difference between performing and playing back.

A lot of the best DJs can

A lot of the best DJs can read the audience and use the technological tools at their hands to

bring out a different element to an unexpected and spontaneous performance—a response to what the audience feels, which is often surprising to them and establishes that very special 'live' feeling!

I love technology! But we all—myself included—need to step up our game.

In today's world, we are so much smarter, and at the same time dumber. Simultaneously, the tools available to us work so well, you really have to put in time to keep up with them and get the best outcome!

In the past, every time I made a record, I bought a brandnew piece of gear. There was no new record that did not have a brand-new piece of gear that we had to learn how to work.

I could not have made Duran Duran's biggest record without this approach. I don't like to spend months doing records, and technology allowed me to translate my musical knowledge and ideas directly into sound.



Reflected through the Eyes of Nile Rodgers

Nile Rodgers is a Rock & Roll Hall of Fame inductee, Songwriters Hall of Fame inductee, and a multiple Grammy Award winning songwriter, composer, producer, arranger, and guitarist who has been writing and producing hit records for the past 6 decades.

In 2023, he became the first creator to be awarded a Lifetime Achievement Grammy for his legacy in the same year as being awarded a Grammy for his new work with Beyoncé on the smash hit "Cuff It."

As the co-founder of CHIC, Nile pioneered a musical language that generated chart-topping hits like "Le Freak," the biggest selling single in the history of Atlantic Records, and sparked the advent of hip-hop with "Good Times" and "Rapper's Delight."

Nile's work in the CHIC Organization, including "We Are Family" for Sister Sledge and "I'm Coming Out" for Diana Ross, and his productions for artists such as David Bowie ("Let's Dance"), Madonna ("Like A Virgin"), and Duran Duran ("The Reflex") have sold more than 500 million albums and 100 million singles worldwide. His innovative, trendsetting collaborations with Daft Punk ("Get Lucky") and Beyoncé ("Cuff It") reflect the vanguard of contemporary hits.

Nile served as the first-ever Chief Creative Advisor for the incomparable Abbey Road Studios and is the Chairman of the Songwriters Hall of Fame.

In addition to his vast musical activities, Nile is an activist who began as a teen Black Panther in New York City. He has participated in numerous philanthropic musical efforts, including LIVE AID, We Are The World, "We Are Family" re-record after 9/11, and the Concert for Ukraine.

In 2001, in the wake of 9/11, Nile co-founded the We Are Family Foundation (WAFF) to bring everyone together following the tragedy and to start the healing process. It quickly evolved into an organization dedicated to the vision of a global family, by creating and supporting programs that promote cultural diversity while nurturing, mentoring, and amplifying the vision, talents, and ideas of young people who are positively changing the world.

And then again, when I have the real horns do the bop on the chorus of "I Want Your Love"—if that bit were some synthesizer, it wouldn't sound cool, it would just be corny. But the fact that it's real guys playing makes the whole difference. Someone like Miles (Davis) would spot these details and go: "Man, that mxxxfxxxxxr is playing that one beat so great!"

Chic
I Want Your Love

When we did the Diana album in 1980, we looked at Diana Ross as a thoroughbred, and the concept was, if you have a thoroughbred, let her run!



Diana Ross Tenderness

I think DLD is the kind of place where you're going to get new ideas, you're going to ponder old ideas, see if they were the most effective, and make changes. Life is all about change. As we get older, we get smarter. I think it's our responsibility to change.

In my heart, I feel that DLD is not only a very positive environment, but it's a stimulating one. Typically, when I do things of this nature, I always find it interesting. But this was

a little bit more fun, too, because I didn't mind being myself, and I didn't mind making mistakes!

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Consumer S Mindset Marketing New the Mastering RAJAMANNAR

World Short-Term a Term Long Think 9 How Ancestor. poo G KRZNARIC ROMAN

Results Extraordinary Drives Mindset Radical The eek Way: ANDREW MCAFEE

Big of Age the Decisions Better Make ш CUKIER KENNETH

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HANS ULRICH OBRIST - Life in Progress

for Works ₹ That Ensure Can We How Valley. Silicon Taming **MARCUS** GARY

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AJA GÖPEL – Werte. Ein Kompass für die Zukunft.

Changing and **Predicting** of Science Data-Driven sters: Mindma MAT SANDRA

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oto Books by Damir Korotaj / @Unsplasi

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What Is Art Today? **Digital Creation**





Hans Ulrich Obrist, Serpentine Galleries

Your design is very much art for all. We can say you do design for all. It's for everyone. It goes to the people. The public sphere is important. And you realized that the

public sphere has lots of rules which said no to games. It said no to writing. It said no to many things.

You wanted to actually say yes to games. You wanted to say yes to playfulness and somehow create these public spaces in reality.

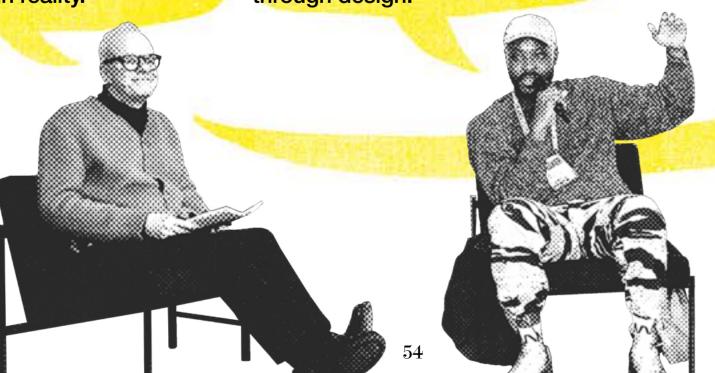
Yinka Ilori, Artist

For me, art is about trying to challenge the public space and democratize what play means to different people. I think, play is such an integral part of a child's upbringing, but it's also important for adults.

Adults don't play enough. We don't play enough. We don't dream enough. So for me, it's about trying to tap into what a child experiences through play, for an adult to relive those childhood memories through design.

At DLD25, renowned artist Yinka Ilori sat down with Hans Ulrich Obrist to discuss his bold vision for public art, storytelling, and play. Ilori, known for his vibrant, narrative-driven designs, shared his journey from upcycling chairs to creating immersive public spaces that spark joy and community

From Lego-inspired play spaces to Al-driven design tools, Ilori pushes boundaries, using technology and memory to shape experiences. His latest collaboration with Google brings an online playground to life, fostering creativity across cultures. Looking ahead, his dream project: a public sculpture park in London, open to allbecause art, he believes, should always











Game ON—Artists and Video Games

Hans Ulrich Obrist, Serpentine Galleries

Today, around 3 billion people interact one way or the other with video games. And when we go to artist studios, we see more and more artists actually working with this medium. Video games might be to the 21st century, what movies were to the 20th century, and maybe the novel to the 19th century. There are many different ways how actually artists engage with video games, sometimes with going into existing video games, sometimes by deconstructing existing video games. But most interestingly, of course, by building their own video games.

Danielle Brathwaite-Shirley, Artist

I want the art spaces to have more of a purpose. What I'm working on right now is to try and figure out how to make a space usable to process emotion. So, you would come to the gallery with a particular emotion, it could be hate, hope, anger, and change the entire gallery to represent that emotion. So, everyone in the gallery will feel your hate, your anger, your hope, and then that could be terrifying.

Leo Castañeda, Artist

I'm interested in the embodiment of mythologies in video games and how, as game artists, we're able to create new mythologies to adapt to the future.

> Curator Hans Ulrich Obrist explored the intersection of art and video games with artists Danielle Brathwaite-Shirley and Leo Castañeda.

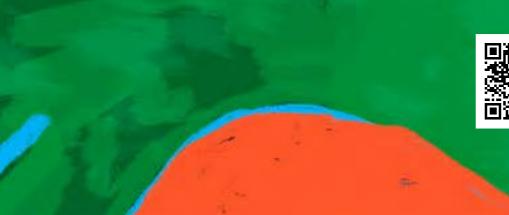
Both artists share how they're pushing the boundaries of gaming as an artistic medium, drawing inspiration from pioneers like Rebecca Allen and early games that broke new ground in storytelling and social commentary. Leo Castañeda presented his game "Camoflux: Levels & Bosses", a stealth exploration game where players navigate surreal landscapes influenced by Latin American surrealism and biomes from his childhood.

Danielle Brathwaite-Shirley discussed their work in creating interactive installations that process emotions and challenge traditional art space dynamics, emphasizing that the true artwork lies not in what's on screen but in the personal journey and choices made by participants.





DLD



Democratizing Visual Art Through Technology

Chloë Ryan Acrylic Rob

Bringing Quality, Original Paintings to the Masses



No artist can live on creativity alone.

You may be a genius, but you still need to eat. We all do. This means artists must find buyers for their work, connect with a market, and command fair prices.

Technology has brought great progress to many professions, including those that involve other art forms. But painters, to this day, typically work for an audience of one. They painstakingly create each masterpiece over days, weeks and months—only to sell the finished piece to a single buyer. And if the painting later rises in value, the owner benefits, not the artist.

Before I founded Acrylic Robotics, I was an artist myself. I would spend hours perfecting a single piece, sell it to one person, then move on to the next. At some point, after I had become an engineering student, I started to wonder: Shouldn't there be a better way?

Unique artworks—for the benefit of all

At Acrylic Robotics, we've managed to combine robotics and generative AI to produce gallery-quality paintings. Using our technology, an artist can deliver any given work of art—not a flat, lifeless print, but a vibrant, textured, acrylic painting on canvas—to as many buyers as they like.

Our robots use acrylic paints and a range of brush sizes and shapes on canvases as large as 120×150 cm (four by five feet). We've invented an automated painting unit cell that makes the production process efficient. We have markets lined up and more robots on order, and we are about to double our production space.

Suddenly, artists are able to multiply the income from a single creative work; and art lovers who would not normally be able to afford an original painting can now fufill their dream of owning one.

Acrylic Robotics are combining AI, engineering, robotics, art, and ethics to bring art to more spaces and ensure artists are paid properly—and disrupting a \$70 billion fine art market and a \$17 billion photoprint market along the way.

Chloë Ryan is an artist, robotics engineer, and creative technologist. She's the founder and CEO of Acrylic Robotics, a company based in Montreal, Quebec, Canada, whose robots can turn any image or idea into a visual art masterpiece with real brushstrokes. Chloë is part of the newly founded DLD20s initiative. It aims to empower the next generation by connecting young visionaries with the DLD community and fostering intergenerational exchange to spark innovation.

Along the way, we are shifting the concept of art from an exclusive collector's item to a democratized cultural experience. In financial terms, we are disrupting both the fine art market—valued at \$70 billion annually—and the \$17 billion photoprint market

To participate and use our technology, artists must first consent. Acrylic does not train on any artist's data without their knowledge. Artists who participate can expect credit and fair compensation. We have a waitlist of 500+ artists who are keen to give our innovative technology a try

My vision from the outset was to help artists bypass the scarcity-driven gallery system. Today, our combination of Al, engineering, robotics, art, and ethics is bringing art to more public spaces and homes while ensuring that artists are paid properly for their work.

The da Vincis and Rembrandts of today would have access to robots. Who knows what the combination of their human genius and artificial intelligence might produce?

Some reassurance

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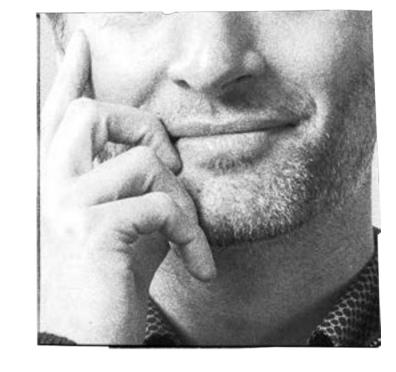
Some people worry that AI will decimate jobs for artists and could perhaps kill off art altogether. To me, these fears are unsubstantiated. Artists are innovators by nature—they push boundaries, they conceive ideas, turning them into paintings, drawings, or sculptures in new ways, often with novel tools. These tools, arguably, are part of the creative process. Might AI change the nature of the art? Perhaps, but it also opens up a world of fresh opportunities for creators. AI can provide inspiration and help artists achieve their goals. It can allow artists to focus on vision rather than execution, and to customize their products for specific markets or buyers.

It's a little-known fact that many of the great European painters from the 16th to 19th centuries operated out of workshops where apprentices helped with production so the masters could complete large commissions more quickly.

That's the role I see for AI and robotics: assistants for creative human minds. I have no doubt that the Rembrandts and da Vincis of today will be thrilled to experiment with these exciting new tools. I can't wait to find out what the combination of their human genius and our AI will produce. ●

Goodbye, Words: How Al Is Quietly Replacing Human Language

About 100,000 years ago, our ancestors made a giant leap: They swapped grunts and gestures for words. Suddenly, they could share ideas, discuss dreams, make plans, and gossip. Language transformed humanity, paving the way for civilization, culture, and TikTok.



Now, we stand at the brink of another major leap, driven by large language models (LLMs). Most see them as tools for summarizing articles, translating languages, crafting song lyrics, or writing code. Yet ing human language.

Many already use LLMs to turn messy notes full of mental shortcuts into polished emails. You might think this sounds fantastic-and Recipients increasingly reverse the process, you'd be right. LLMs promise faster, clearer converting lengthy emails into brief summa- communication, bridging gaps between lanries. Bullet points become essays, which be- guages and even between humans and macome bullet points again. Importantly, these chines. Al won't just translate English to Man-'inputs' and 'outputs' often differ. You might darin; it'll chat with your fridge and microwave, type 'newspeak,' but your German friend too. We'll teach the AI, and it'll teach us, insees 'Neusprech,' while someone unfamiliar form us, boost our efficiency, and enhance with Orwell receives "a simplified language creativity. meant to limit critical thinking." As we rely Of course, human language won't vanish enmore on LLMs, they learn to communicate tirely. We'll still use words, especially in peroptimally and personally, much like your pri- sonal interactions. We haven't abandoned vate shorthand.

gant long-form essay becomes redundant. Al directly translates meaning from one person's Yet the shift toward Al-driven communication or books, why write them?

celerate communication.

Books, articles, and social media have shortened distances between people, but information remains difficult to find, especially when we don't know exactly what we're looking for. In contrast, an LLM connects millions instantly. Why search the web, read books, or scroll Twitter when AI provides direct, relevant inthey're far more: LLMs are replac- formation straight from the source? LLMs will become central hubs of all human knowl-

gestures, expressions, or vocalizations after This convenience, however, means the ele- adopting language—they remain essential.

shorthand to another's-no fancy wording carries significant risks. We'll gradually lose needed. As we stop expressing thoughts our ability to communicate well, abandoning clearly to others, we lose practice. Why spend traditional communication channels like hours reading when Al instantly summarizes, emails, social media, news, and books. This skipping familiar details and adding neces- star-shaped communication network—with a sary context? If no one reads emails, articles, few all-knowing LLMs at its center-will grant enormous power to a handful of companies Another appeal of LLMs is their ability to ac- or governments controlling them. Creating Orwellian 'newspeak' to control people is dif-Human-to-human sharing is slow and error ficult, but centralized Al could be easily set to prone—like the game of Chinese whispers. convey approved ideas and censor others.



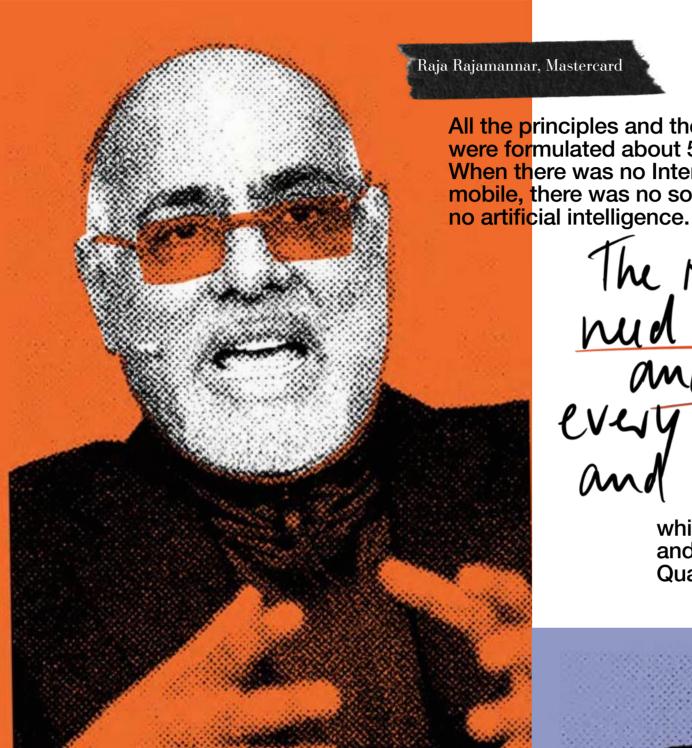
Michal Kosinski, an Associate Professor at Stanford's Graduate School of Business, explores the converging worlds of human and artificial cognition. His research delves into the psychological workings of Large Language Models while also leveraging AI, Machine Learning, and Big Data to model and predict human behavior.

By Michal Kosinski

Stanford University







All the principles and theories of marketing were formulated about 50 to 60 years back. When there was no Internet, there was no mobile, there was no social media, there was

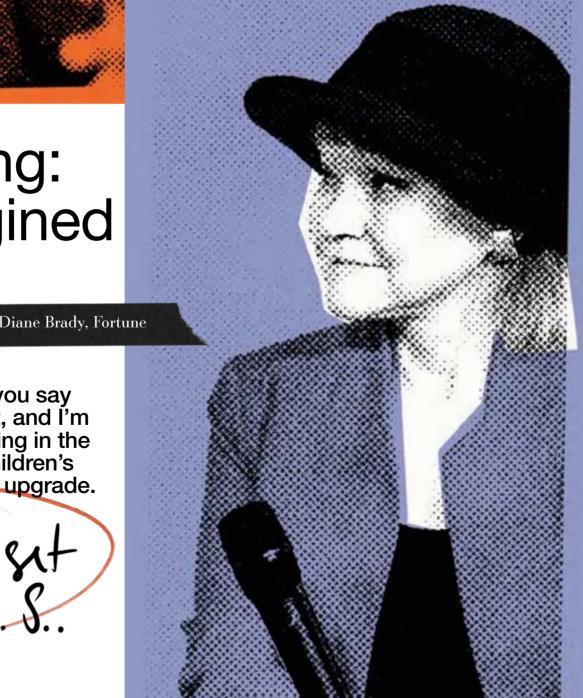
The reality 13, we

which is what I tried to capture, and put it in my book called Quantum Marketing.

Quantum Marketing: Marketing Reimagined

Talking about privacy and data: If you say the term "I'm from the government, and I'm here to help," that is not a good thing in the U.S. Whereas we would sell our children's Social Security numbers for a seat upgrade.

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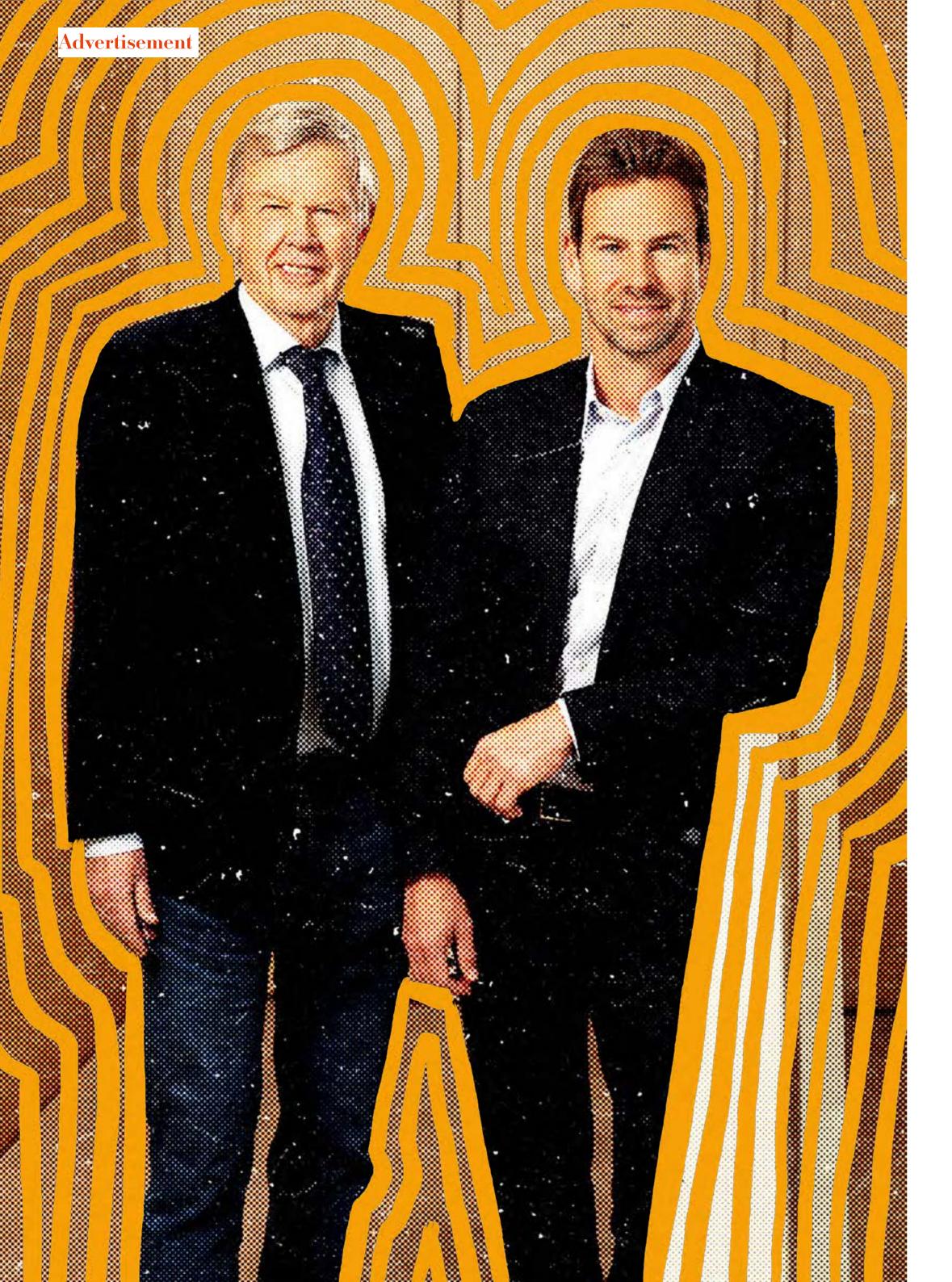
The Al Threat to Content Creators and the Web, and What We Can Do About It

Jochen Wegner, DIE ZEIT each Money with our content in an Al age? Be paid by AI companies, for example?



Matthew Prince, Cloudflare

The reason it has to work out is:





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