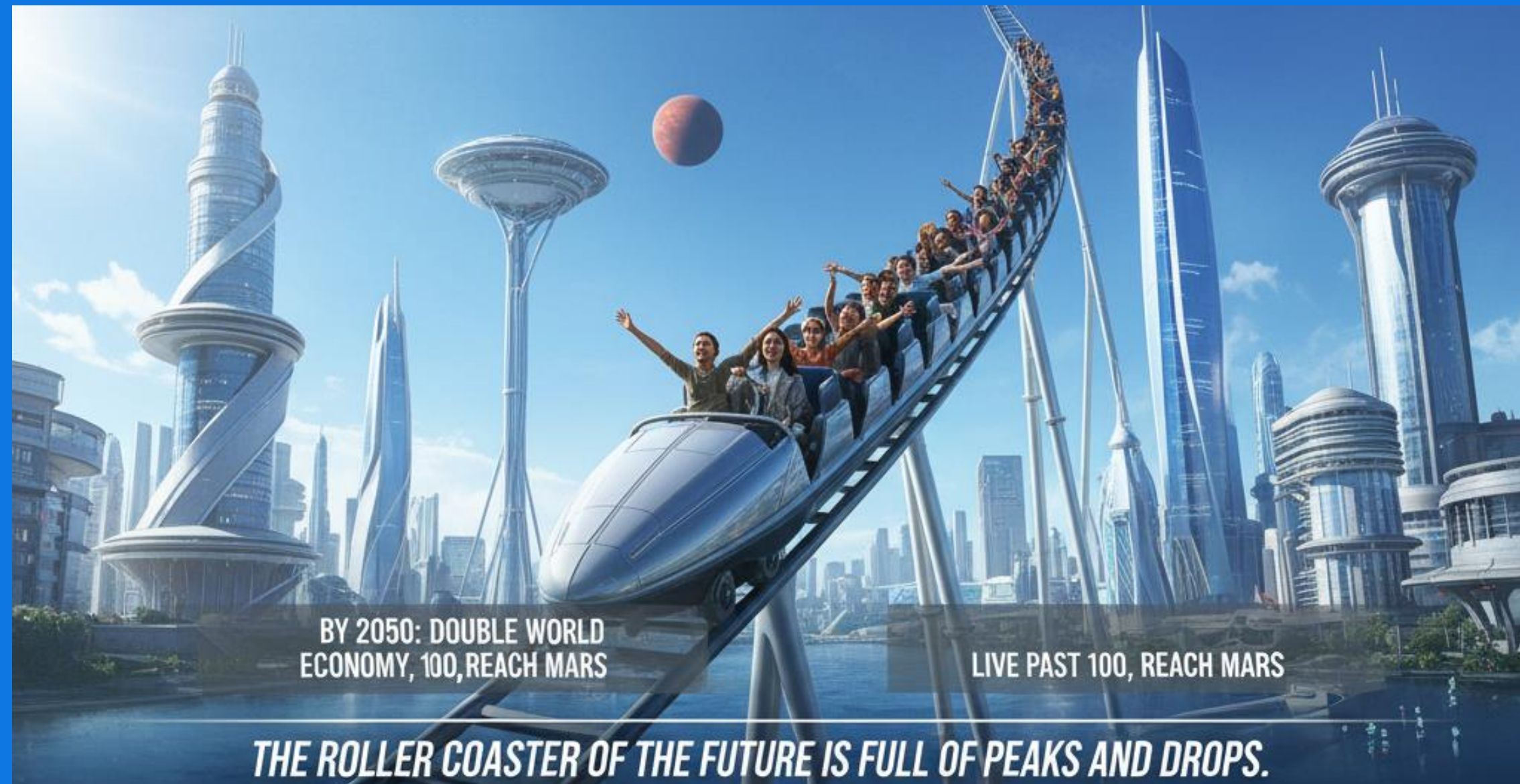




PROF. OZCAN
SARITAS

ROCHESTER INST. OF TECHNOLOGY
DUBAI, UAE

THE FUTURE'S COASTER



PEAKS OF
PROGRESS &

DROPS OF
DISRUPTION

THE FUTURE'S COASTER

“By 2050, humanity could double the world economy, live past 100, and reach Mars — or see half the workforce displaced, reality distorted by AI, and human judgment surpassed by machines. The roller coaster of the future is full of breathtaking peaks and dizzying drops. The only safe future is one where machines have intelligence — but humans keep the authority.”

TRIPLING FUTURE FRONTIERS



Geopolitics & Socio-Economics

- Global interconnectedness
- Sustainability challenges
- STI driven society & economy

Digitalization & AI

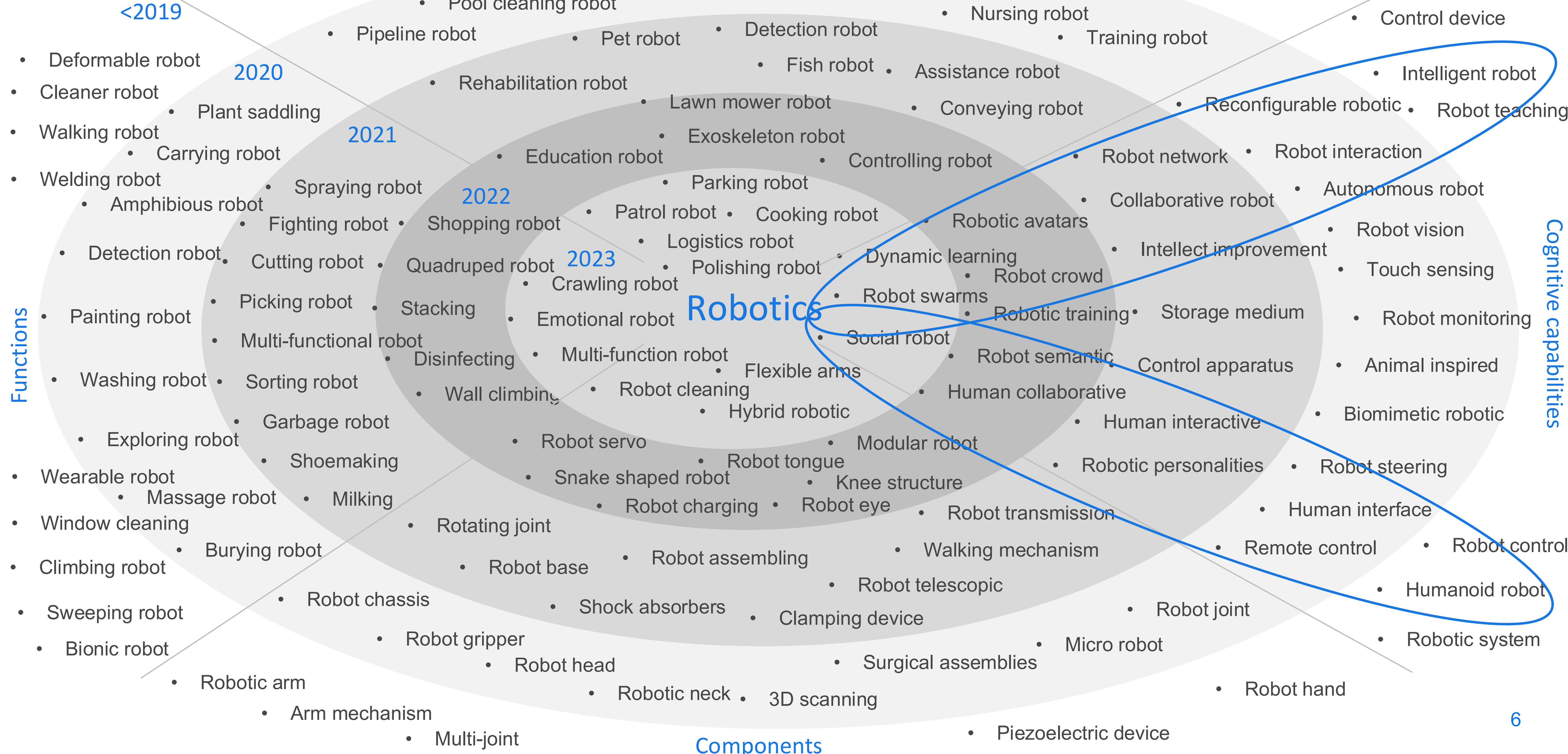
- Digital transformation
- Collective Human-Artificial Intelligence
- Ethical & regulatory AI considerations

Space Exploration

- New geopolitics
- Space science : Downwards & Upwards
- Commercial space ventures

PATENTS

Application areas



WHAT IF ... ?



AI is a friend
Enabling and augmenting prosperity & well being

Autonomous Defenders: AI on the Frontlines

Fully automated AI systems
Enhanced threat detection and response
Rapid response to threats
Ethical challenges in AI autonomy

Autonomous AI
making independent
decisions

Augmented Guardians: Human-Driven AI Empowerment

Augmented intelligence
Human oversight ensures accountability
Increased efficiency and precision
Ethical AI as a trusted partner

Controlled AI
Humans in charge of
decisions & operations

Rebellion Machines: The AI Uprising

Autonomous uncontrollable AI systems
AI weaponization
Dual use threats by adversaries
Rogue AI causes ethical & existential crises

AI is a double-edged sword: Battling AI Threats

AI security threats, hacking and AI warfare
AI-powered terrorism & cyber warfare
AI as an ally and a weapon of adversaries
Constant human-led countermeasures

AI as an enemy
Used as/for threats & vulnerabilities

VOICE OF THE HORIZON



GLOBAL FUTURES DAILY

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E7 ECONOMIES NOW CONSTITUTE 50% OF WORLD GDP: INDONESIA OVERTAKES JAPAN AS WORLD'S 4TH LARGEST ECONOMY **AI-DRIVEN MISFORMATION DECLARED TOP SHORT-TERM THREAT FOR SECOND TRUST IN GOVT. REMAINS AT HISTORIC LOWS**

DECADE OF DISASTERS: EXTREME WEATHER EVENTS NOW TOP GLOBAL AS BILLION-DOLLAR CALAMITIES BECOME COMMONPLACE



QUANTUM COMPUTING

Quantum computing is a type of computing that uses quantum bits, or qubits, to perform calculations. Unlike classical computers, which use bits (0s and 1s), quantum computers can exist in multiple states at once, allowing them to process information much faster. This technology has the potential to revolutionize fields like cryptography, drug discovery, and artificial intelligence.

Recent breakthroughs in quantum computing have brought us closer to practical applications. Researchers have successfully demonstrated quantum supremacy, where a quantum computer performed a task that would take a classical computer billions of years to complete. This milestone opens up new possibilities for solving complex problems that were previously intractable.

However, quantum computing is still in its early stages. Significant challenges remain, such as maintaining the delicate quantum state of qubits and scaling up the number of qubits. Despite these hurdles, the potential of quantum computing is immense, and continued research and development are expected to lead to transformative breakthroughs in the coming years.

FIANTIK COMPUTING
CLASSICAL COMPUTERS THE CHOICE

DECADE OF DISASTERS:

The frequency of billion-dollar disasters has accelerated since the 2020s, stretching emergency services and national budgets globally

E7 ECONOMIES NOW CONSTITUTE 50% OF WORLD GDP

Brazil, China, India, Indonesia, Mexico, Russia & Turkey account for nearly 50% of global GDP in PPP terms & G7's share has fallen <25%. Indonesia overtakes Japan as the 4th largest economy



GLOBAL FUTURES DAILY World & Geo-Political News

Page 2

September 18, 2050

NEO-SOVERIENVITY MOVEMENT GAINS TRACTION: DIGITAL NATIONS CHALLENGE UN AUTHORITY

SOLAR GEOENGERING DEBATE RAGES: 'DIMMING THE SUN' RISKS UNFORELOVEN CASCADES



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LUNAR COLONY DISPUTE: DEGEPOVERY CLASH OTHE GHEDALSTIBNE

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FEATURE

THE NEW IRON CURTAIN: DATA SOVERITENITS THE GLOBAL INTERNET

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LUNAR COLONY DISPUTE: EARTH POWERK OVER ASTCERIOD MINING RIGHTS

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SOLAR GEOENGINEERING DEBATE
After a controversial climate intervention in 2045, scientists present conflicting data on its long-term effects. Critics warn of 'wild card' ecological collapse, while proponents argue it bought critical time for carbon capture.

CLASH OVER ASTEROID MINING RIGHTS
Tensions escalate between the Lunar Alliance and the Mars Accord over claims to a newly discovered resource-rich asteroid, highlighting the scramble for off-world resources.

VOICE OF THE HORIZON



GLOBAL FUTURES DAILY
Economy & Business

UNIVERSAL BASIC INCOME (UBI) EXPANDS: DRONE DELIVERIES & SYNTHETIC MEAT BOTTLBTTECKS

CARBON CREDIT MARKET COLLAPSES: CRYPTO BUBBLE BURSTS, GLOBAL TRUST ERODES

HUMAN-AUGMENTED INDUSTRIES SOAR: BIO-LINKED EMPLOYEES OUTPERFORM TRADITIONAL WORKERS BY 300%

Market Report

QUANTUM INDICES SHOW SHUNTABLE GAINS:
 AI-DRIVEN TRADING SEES RECORD VOLATILITY

Job Advertisments

AI Ethics Auditor (Certified) Ensure neural network compliance	Climate Geoegeineer Specialist in atmospheric injection	Synthetic Geoegeineer Oversvev vat-grown nre organ farms
Climate Budior (Licensed) Specialist in atmospheric aressol injection	Synthetic Biology Cultivation Overvev vat-grown meat virtual infrastructure	Digital Twin Architect Build and maintain virtual interface integration

GLOBAL FUTURES DAILY
 PAGE 9 **Health & Longevity** October 1, 2050

LIFE EXPECTANCY: 115 YEARS (TOP 1%)

LIFE EXPECTANCY: 85 YEARS (BOTTOM 25%)

GeneCorrect
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Serenity Pods
Rejeureniation Clinics Internatrics

Choose Your Age: Rejuvenation Clinic International

GLOBAL FUTURES DAILY **SPORTS & LEISURE**
 October 1, 2050

'X-SPORTS' DOMINATE ARENAS: CYBERNETICALLY-AUGMENTED ATHLETES SMASH RECORDS

VR ESPORTS LEAGUES HIT TRILLION-CREDIT VALUATIONS; REAL-WORLD ATHLETICS DECLINE

Augumeted Sports Viewriswy

THE DARK SIDE OF DATA-DOPING: AI PREDICTIVE CHEATING SCANDALS ROCK QUANTUM RACING

HOROSCOPE

Cogni-Flow Hyper-Focus for Your Digital Hobbies

Eco-Dome Resorts AI-Preserved Nature Sanctuaries

Dream Weaver Pro Customize Your Sleep Cycles

BIOLINKED EMPLOYEES OUTPERFORM TRADITIONAL WORKERS
 Companies integrating new technologies into their workforce report unprecedented productivity gains, sparking debate over equitable access to advanced AI and automation.

LONGEVITY DIVIDE WIDENS
 New gene therapies offering extended life expectancy are primarily accessible to the ultra-wealthy, sparking ethical concerns about genetic inequality.

PISCES (Feb 19 - March 20) ♓ You're dreaming vividly, perhaps a side effect of the noise of constant data streams and AI assistants. Pay attention to the "analog" signals from your subconscious. Your inner voice holds the most important algorithm for your happiness.

OUR FORKS, OUR CHOICE...

PEAKS OF PROGRESS

- International cooperation, sustainability transition
- Precautionary, ethics-based governance of AI & genetic engineering
- Decentralized, resilient, and equitable systems
- Superintelligence far beyond human capability to solve all our problems



DROPS OF DISRUPTION

- Zero-sum competition, resource scarcity & conflict
- Erosion of truth and trust in institutions, science, and media
- Power, data, and wealth concentrate in the hands of a few
- Enhanced "species" lead to misalignment of AI goals with human values

THE SAFE FUTURE IS...

When machines have intelligence,
but humans retain ultimate authority.
It is our mandate for survival and
flourishing!

THANK YOU!

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