Techstorm™ Forecast

SPRING 2019

Below are the Top 10 technologies everyone is talking about right now. Remember to ANALYZE technologies, ASSESS the business implications and ADAPT to a new reality.
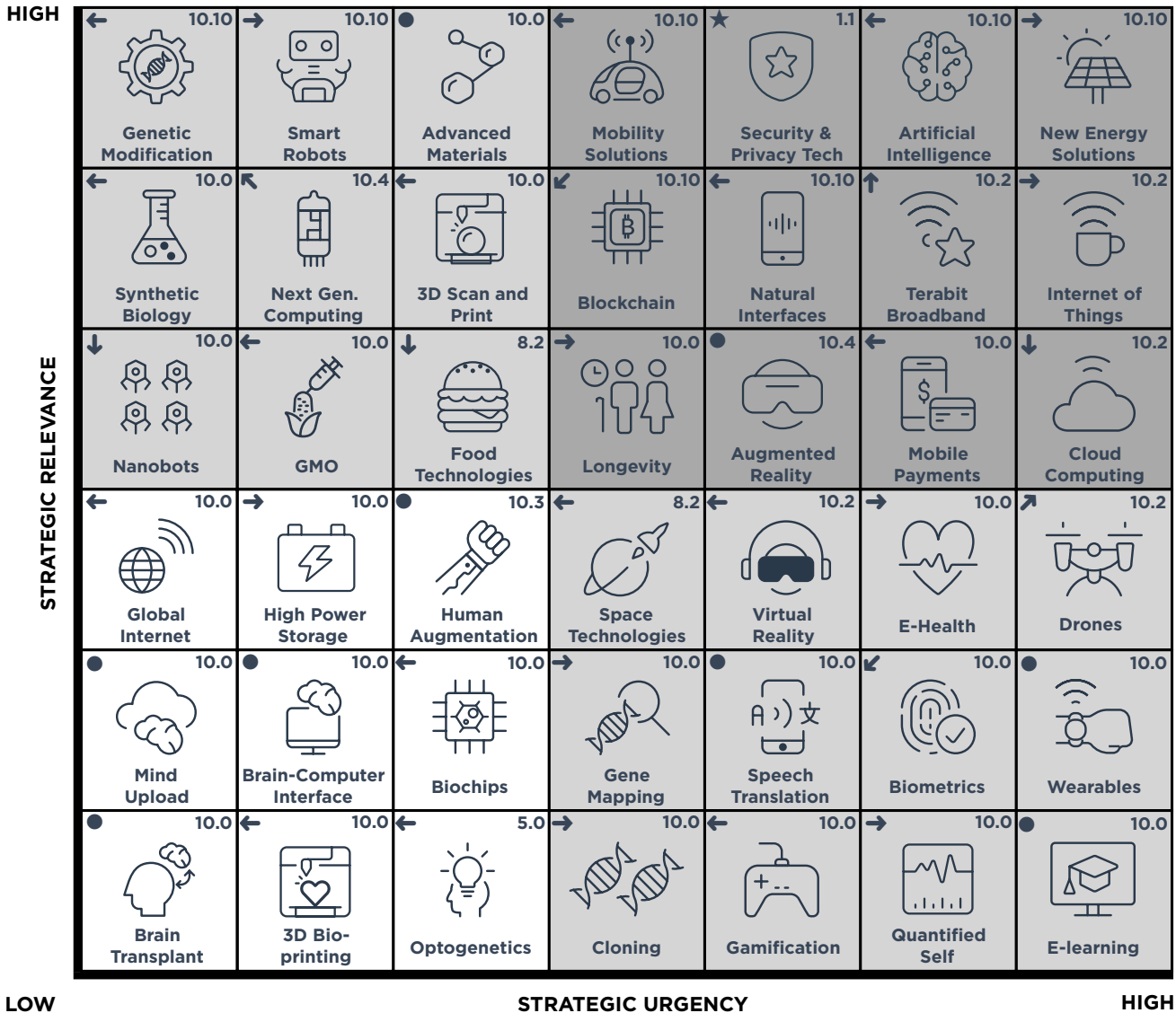
★ New
● Stable
↖ Trend

● **01** **Artificial intelligence**
COMPUTERS WITH COGNITIVE CAPABILITIES
... consultants are using AI to scare incumbents. Short term hype, long term transformation.

↑ **02** **New energy solutions**
EFFICIENT, SUSTAINABLE AND ABUNDANT ENERGY
... exponential productivity increase, but but dependency on fossil fuels for decades to come!

★ **03** **Security and privacy technologies**
STATE SURVEILLANCE, SOCIAL MEDIA FAILURES AND HIGH-TECH WARFARE
... the proof that adding $$$, evil or politics to any tech is a potential disaster!

↓ **04** **Mobility solutions**
TRANSPORTATION REINVENTED, FLEXIBLE AND OFTEN AUTONOMOUS
... this is the holy strategic Grail for car companies, but no level 5 autonomy within reach.

↓ **05** **Blockchain**
DISTRIBUTED DATABASE OF TRANSACTIONS, I E BITCOIN
... we're seeing a public crypto fatigue right now, even Chinese miners are facing a backlash!

● **06** **Augmented reality**
THE PHYSICAL WORLD THROUGH VIRTUAL ENHANCEMENT
... recent releases from major players are actually living up to the hype. Any killer apps?

↑ **07** **Genetic modification**
CHANGE GENETIC TRAITS TO IMPROVE AN ORGANISM
... CRISPr on the rise, but there's different ethical and legal frameworks around the world!

↓ **08** **Human augmentation**
COGNITIVE AND PHYSICAL IMPROVEMENTS TO THE BODY
... temporary or permanent enhancement, all depending on the occasion. Robolympics?

↓ **09** **Natural interfaces**
NEW WAYS OF INTERACTING WITH YOUR GADGETS
... quite capable 'smart assistants' nowadays, but do they really listen to everything you say?

● **10** **Smart robots**
INTELLIGENT ROBOTS WITH HUMAN CAPABILITIES
... some amazing concepts released lately. Niche apps, but still lack of general use cases.
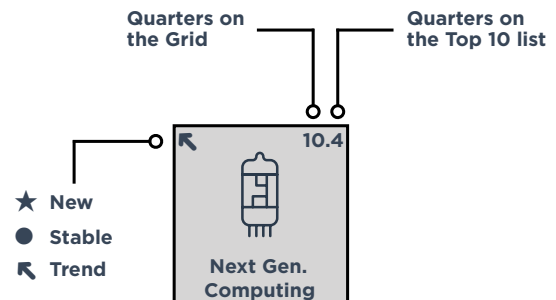

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SPRING 2019

The Techstorm™42 Forecast Grid, showing strategic relevance and urgency. Understand these perspectives and monitor movement over time to get the timing right!

★ New
● Stable
↖ Trend

STRATEGIC RELEVANCE

HIGH

← 10.10 **Genetic Modification**	→ 10.10 **Smart Robots**	● 10.0 **Advanced Materials**	← 10.10 **Mobility Solutions**	★ 1.1 **Security & Privacy Tech**	← 10.10 **Artificial Intelligence**	→ 10.10 **New Energy Solutions**
← 10.0 **Synthetic Biology**	↖ 10.4 **Next Gen. Computing**	← 10.0 **3D Scan and Print**	↙ 10.10 **Blockchain**	← 10.10 **Natural Interfaces**	↑ 10.2 **Terabit Broadband**	→ 10.2 **Internet of Things**
↓ 10.0 **Nanobots**	← 10.0 **GMO**	↓ 8.2 **Food Technologies**	→ 10.0 **Longevity**	● 10.4 **Augmented Reality**	← 10.0 **Mobile Payments**	↓ 10.2 **Cloud Computing**
← 10.0 **Global Internet**	→ 10.0 **High Power Storage**	● 10.3 **Human Augmentation**	← 8.2 **Space Technologies**	← 10.2 **Virtual Reality**	→ 10.0 **E-Health**	↗ 10.2 **Drones**
● 10.0 **Mind Upload**	● 10.0 **Brain-Computer Interface**	← 10.0 **Biochips**	→ 10.0 **Gene Mapping**	● 10.0 **Speech Translation**	↙ 10.0 **Biometrics**	● 10.0 **Wearables**
● 10.0 **Brain Transplant**	← 10.0 **3D Bio-printing**	← 5.0 **Optogenetics**	← 10.0 **Cloning**	← 10.0 **Gamification**	→ 10.0 **Quantified Self**	● 10.0 **E-learning**

LOW   **STRATEGIC URGENCY**   HIGH

STRATEGIC RELEVANCE

PREPARE	**ACT**
When the technology is less established, but will potentially have major impact in the future. **Be creative around potential applications.**	When a technology is imminent, and will have significant impact on your business environment. **Analyze, assess and adapt!**
REVIEW When neither timing nor relevance makes the technology worthy of your attention. **Come back for review at regular intervals, look for weak signals.**	**MONITOR** When a technology is imminent, but today not necessarily relevant for your industry **Keep an eye on industries that have embraced the technology**

STRATEGIC URGENCY

Quarters on the Grid — Quarters on the Top 10 list

↖ 10.4

★ New
● Stable
↖ Trend

Next Gen. Computing

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