


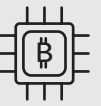








techstorm™ forecast

WINTER 2018 ❄️

Based on the techstorm™ 42 emerging technologies, these are the top 10 to monitor closely today. Understand the implications for business and society!

> 01	artificial intelligence COMPUTERS WITH COGNITIVE CAPABILITIES ... it's suddenly everywhere and part of all corporate strategies.	
> 02	autonomous vehicles TRANSPORTATION WITHOUT HUMAN INTERVENTION ... development is faster and slower than we think.	
> 03	augmented reality THE PHYSICAL WORLD THROUGH VIRTUAL ENHANCEMENT ... is not yet living up to the hype, but prospects are great!	
^ 04	blockchain DISTRIBUTED DATABASE OF TRANSACTIONS AND IDENTITIES ... long term prospects are good, but Bitcoin hype destroys public perception.	
^ 05	new energy solutions EFFICIENT, SUSTAINABLE AND ABUNDANT ENERGY ... political awakening and #%€& backlash, exponential productivity increase.	
∨ 06	smart robots INTELLIGENT ROBOTS WITH HUMAN CAPABILITIES ... getting better, will have great impact, but still niche applications.	
^ 07	neurotechnology DEEPER UNDERSTANDING OF THE HUMAN BRAIN ... amazing medical applications and the ultimate interface.	
^ 08	space technologies NEW TECH BRINGS A BUSINESS PERSPECTIVE TO SPACE ... interesting mix of "happening now" and "might not happen at all".	
∨ 09	natural interfaces NEW WAYS OF INTERACTING WITH YOUR GADGETS ... talking to Siri or Alexa suddenly works, and new strategic challenges emerge!	
> 10	genetic modification CHANGE GENETIC TRAITS TO IMPROVE AN ORGANISM ... CRISPR on the rise, but there's a lack of ethical and legal framework.	













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Fascinating development among the remaining 32 technologies and in the cross-pollination of bits, atoms, neurons and genes.






bits

FURTHER ADVANCES IN INFORMATION TECHNOLOGY, SOFTWARE AND COMMUNICATION.

- 
-  E-Health
 -  Internet of Things
 -  Mobile Payments
 -  Next Gen Computing
 -  Virtual Reality
 -  Speech Translation
 -  Terabit Ethernet
 -  Cloud Computing
 -  Global Internet
 -  Online Education
 -  Gamification
 -  Wearables












atoms

EVERYTHING IN THE PHYSICAL WORLD, FROM 3D PRINTING TO ROBOTICS AND NANOTECH.

- 
-  3D Scan and Print
 -  Drones
 -  Food Technologies
 -  High Power Storage
 -  Advanced Materials
 -  Nanobots






genes

MONITORING, ANALYSIS, UNDERSTANDING, TREATMENT AND ENHANCEMENT OF THE HUMAN BODY.

- 
-  3D Bioprinting
 -  Biometrics
 -  Gene Mapping
 -  Human Augmentation
 -  Longevity
 -  Biochips
 -  Synthetic Biology
 -  Cloning
 -  GMO
 -  Quantified Self

neurons

THE RAPIDLY INCREASING UNDERSTANDING, AND IMPROVED CAPABILITIES, OF THE HUMAN BRAIN.

- 
-  Brain Interface
 -  Mind Upload
 -  Optogenetics
 -  Brain Transplant