**Mega-satellite systems**

**Fin-tech**

**KŘIVKA INNOVATION HYPE**

**Popularita**

**Mega-satellite systems**

**Artificial intelligence**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **5.** |  | **Block chain** | **Climate changes impact analysis** | **Biometrics**  **Smart cities**  **Digital currency** | **Speech recognition** |
| **4.** | **Internet of things**  **AI powered cyber defence** |  | **Gene therapy 2.0**  **Virtual reality**  **Augmented reality** | **Learning robots** | **Additive manufacturing**  **(3D print)**  **Data mining** |
| **3.** | **Exact genetic plant engineering**  **Industry 4.0**  **e-government** | **High capacity electric batteries**  **AI for everybody** | **Distributed data storage**  **(Cloud computing** | **Machine vision/image recognition** | **Social networks** |
| **2.** | **Hyper-personalized medicine**  **Advanced fusion and fission reactors** | **Injectable tissue engineering** | **Drones** | **Smart houses** | **Nanotechnologies** |
| **1.** | **Quantum computing** | **Unhackable internet**  **Artificially structured metamaterials**  **Synthetic biology** |  |  |  |
|  | **Personal Genomics** | **Personalised medicine** | **Senzorization of things** |  | **Čas** |

**Přehledně a kompletně alokací jednotlivých technologií v kategoriích křivky Innovation hype ukazuje následující tabulka:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **5.** |  |  | **Vrchol popularity - teď**  **Block chain technology**  **Artificial intelligence**  **Big Data Analysis**  **Mega-satellite systems**  Machine learning  Climate changes impact analysis  Payments by face detection  360° cameras  Hot solar cells  Reinforced learning |  |  |
| **4.** |  | **Očekávaný vrchol popularity – do 1 roku**  **Augmented reality**  **Internet of things**  **Gene therapy 2.0**  **AI powered cyber defence**  Tiny AI  Molecular imaging  Flexible transistors  Micro 3D print  Ultraprivate smartphones  Nanoimprint Lithography  Agricultural drones  Transport telematics  Health telematics |  | **Vrchol popularity méně než před 2 lety**  **Digital currency**  **Smart Cities**  **Virtual reality**  **Learning robots**  **Biometrics**  Metal 3D print  Computing neural networks  Self-driving vehicles  Competing neural networks  Universal machine translation  Nano Solar Cells  Drugs against cognitive disfunction  (Alzheimer´s disease) |  |
| **3.** |  | **Očekávaný vrchol popularity do 2-1 roku**  **e-government**  **Industry 4.0**  **AI for everybody**  **High capacity electric batteries**  Consumocentric automation  Artificial embryos  Wrist EKG  Communication vehicles  Social indexing  Advanced brain mapping  Smart wind turbines  Perfect privacy online  Genetic prediction of susceptibility to diseases  Deep AI learning  Smart medical appliances |  | **Vrchol popularity před 2 – 5 roky**  **Machine vision/image recognition**  **Speech recognition**  **Smart houses**  **Distributed data storage**  **(Cloud computing)**  **Drones**  5G networks  Repeatedly usable rockets  High efficiency solar panels  Natural language processing  Wireless sensors network  3D visualization  Nanoimprint lithography  Superfast NDA scanning  Supergrids  Nanoarchitectures  Genome editing  (CRISPR method)  Instantaneous machine translations  Grid computing  Nanomedicine | **Vrchol popularity před více než před 5 lety**  **Nanotechnologies**  **Additive manufacturing**  **(3D print)**  **Social networks**  **Data mining**  Mobile payments  Crouwdfunding  Internet payments  Prenatal NDA scanning  Smart watches |
| **2.** |  | **Očekávaný vrchol popularity do 4-2 let**  **Hyper-personalized medicine**  **Injectable tissue engineering**  **Exact genetic plant engineering**  Cell atlas  No-emission gas power plants  Drugs against aging  Drugs proposed by AI  Micro-gastroscopy  Computer prediction of premature delivery  Vaccination against cancer  Artificially produced meat  Interactive books  No-waste toilets  Brain-Machine Interface  Flexible Transistors  Mega-desalination  DNA library  Genetic engineering of immune cells  AI based assistant  Automated robot design  Reality mining |  |  |  |
| **1.** | **Očekávaný vrchol popularity do**  **10 – 7 let**  **Quantum computing**  **Advanced fusion and fission reactors**  **Personal genomics**  Absorption of atmospheric CO2  Quantum Cryptography  Quantum wires  Designing molecules by quantum computers  Nuclear reprogramming (stem cells)  Airborn networks  Bacterial factories | **Očekávaný vrchol popularity do 7 – 4 let**  **Synthetic biology**  **Artificially structured metamaterials**  **Unhackable internet**  **Personalised medicine**  **Senzorization of Things**  Wireless transmission of nerve impulses (to compensate paralysis)  Personalised medicine monitors  Stretchable Sillicon  Quantum wires  Virtual stores |  |  |  |