**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 learningClimate changes impact analysisPayments by face detection360° camerasHot solar cellsReinforced learning |  |  |
| **4.** |  | **Očekávaný vrchol popularity – do 1 roku** **Augmented reality****Internet of things****Gene therapy 2.0****AI powered cyber defence**Tiny AIMolecular imagingFlexible transistorsMicro 3D printUltraprivate smartphonesNanoimprint LithographyAgricultural dronesTransport telematicsHealth telematics |  | **Vrchol popularity méně než před 2 lety****Digital currency****Smart Cities** **Virtual reality****Learning robots****Biometrics**Metal 3D printComputing neural networksSelf-driving vehiclesCompeting neural networksUniversal machine translationNano Solar CellsDrugs 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 automationArtificial embryosWrist EKGCommunication vehiclesSocial indexing Advanced brain mappingSmart wind turbinesPerfect privacy onlineGenetic prediction of susceptibility to diseasesDeep AI learningSmart medical appliances |  | **Vrchol popularity před 2 – 5 roky****Machine vision/image recognition****Speech recognition****Smart houses****Distributed data storage****(Cloud computing)****Drones**5G networksRepeatedly usable rocketsHigh efficiency solar panelsNatural language processingWireless sensors network3D visualizationNanoimprint lithographySuperfast NDA scanningSupergridsNanoarchitecturesGenome editing (CRISPR method)Instantaneous machine translationsGrid computing Nanomedicine | **Vrchol popularity před více než před 5 lety** **Nanotechnologies****Additive manufacturing** **(3D print)****Social networks****Data mining**Mobile paymentsCrouwdfundingInternet paymentsPrenatal NDA scanningSmart watches |
| **2.** |  | **Očekávaný vrchol popularity do 4-2 let****Hyper-personalized medicine****Injectable tissue engineering****Exact genetic plant engineering**Cell atlasNo-emission gas power plantsDrugs against agingDrugs proposed by AIMicro-gastroscopyComputer prediction of premature deliveryVaccination against cancerArtificially produced meatInteractive booksNo-waste toiletsBrain-Machine InterfaceFlexible TransistorsMega-desalinationDNA libraryGenetic engineering of immune cellsAI based assistantAutomated robot designReality mining |  |  |  |
| **1.** | **Očekávaný vrchol popularity do** **10 – 7 let****Quantum computing****Advanced fusion and fission reactors** **Personal genomics**Absorption of atmospheric CO2Quantum CryptographyQuantum wiresDesigning molecules by quantum computers Nuclear reprogramming (stem cells)Airborn networksBacterial 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 monitorsStretchable SilliconQuantum wiresVirtual stores |  |  |  |