

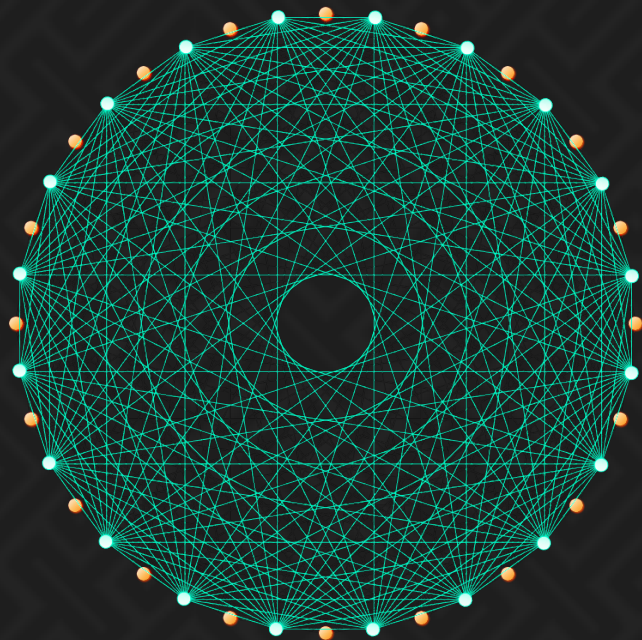


# ACM Highlights

- Learning Center tools for professional development: <http://learning.acm.org>
  - **Safari Learning Platform**
    - 50,000+ trusted technical books, video courses, and O'Reilly conference videos
    - Hundreds of learning paths, online learning tools, case studies
  - **Skillsoft Learning Collections**
    - 1,800+ Skillsoft courses, virtual labs, test preps, live mentoring for software professionals covering programming, data management, DevOps, cybersecurity, networking, project management, more
    - 4,800+ 30,000+ task-based short videos for “just-in-time” learning
    - Training toward top vendor certifications (CEH, Cisco, CISSP, CompTIA, ITIL, PMI, etc.)
  - 1,200+ DRM—free books in CS on the **ScienceDirect** platform (including Morgan Kaufmann and Syngress titles)
  - Learning Webinars from thought leaders and top practitioners
  - Podcast interviews with innovators, entrepreneurs, and award winners
- Popular publications:
  - Flagship *Communications of the ACM (CACM)* magazine: <http://cacm.acm.org/>
  - *ACM Queue* magazine for practitioners: <http://queue.acm.org/>
- ACM Digital Library, the world's most comprehensive database of computing literature: <http://dl.acm.org>.
- International conferences that draw leading experts on a broad spectrum of computing topics: <http://www.acm.org/conferences>.
- Prestigious awards, including the ACM A.M. Turing and ACM Prize in Computing: <http://awards.acm.org>
- And much more... <http://www.acm.org>.



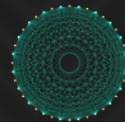
# AiDecentralized



An Educational Global Conference By ACM  
Practitioners Board - May 22, 2018. Toufi Saliba



# AiDecentralized



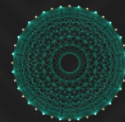
Is Blockchain a Branch of AI?

What is the mission of AiDecentralized?

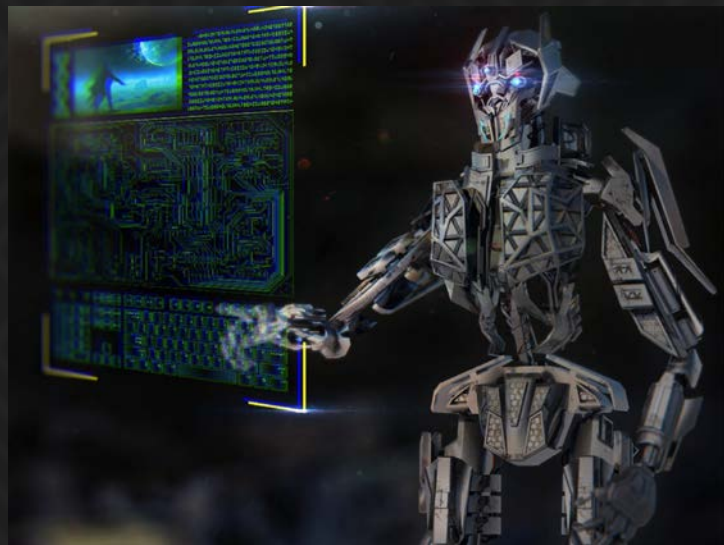
Does security matter in autonomous AI?

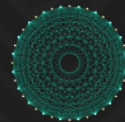


# Ai Decentralized



Is this AI, AS or just BS?





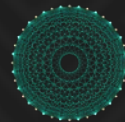
# Ai Decentralized

Is Artificial Life a branch of AI?

1. Owns itself
2. Defends itself
3. Has a useful job (Provides a service)
4. Can't turn it off, can't stop it
5. Can be replicated
6. Continues to evolve without its original creator
7. No one controls it (Autonomous)



# Ai Decentralized

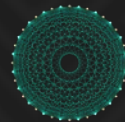


“The AI does not hate you, nor does it love you,  
but you are made out of atoms which it can use  
for something else.”

Eliezer Yudkowsky



# Ai Decentralized



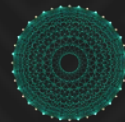
We May Not Know If AI Will Destroy Us

But what do we know historically about homo sapiens when power is in the hands of few?





# Ai Decentralized



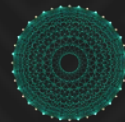
## Beware Current Electronic Money

- **Cost:** Leaks money out of emerging region through every transaction
- **Governance:** Centralized financial control will be used against the holders, even if the current centralization is well under control, the future may not be
- **Centralized Exchanges:** Additional friction and control by Centralized Currency Exchanges





# Ai Decentralized

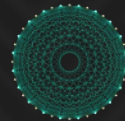


Protocol  
Exploitation  
Resulting in:  
Wasteful Energy?





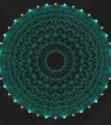
# Ai Decentralized



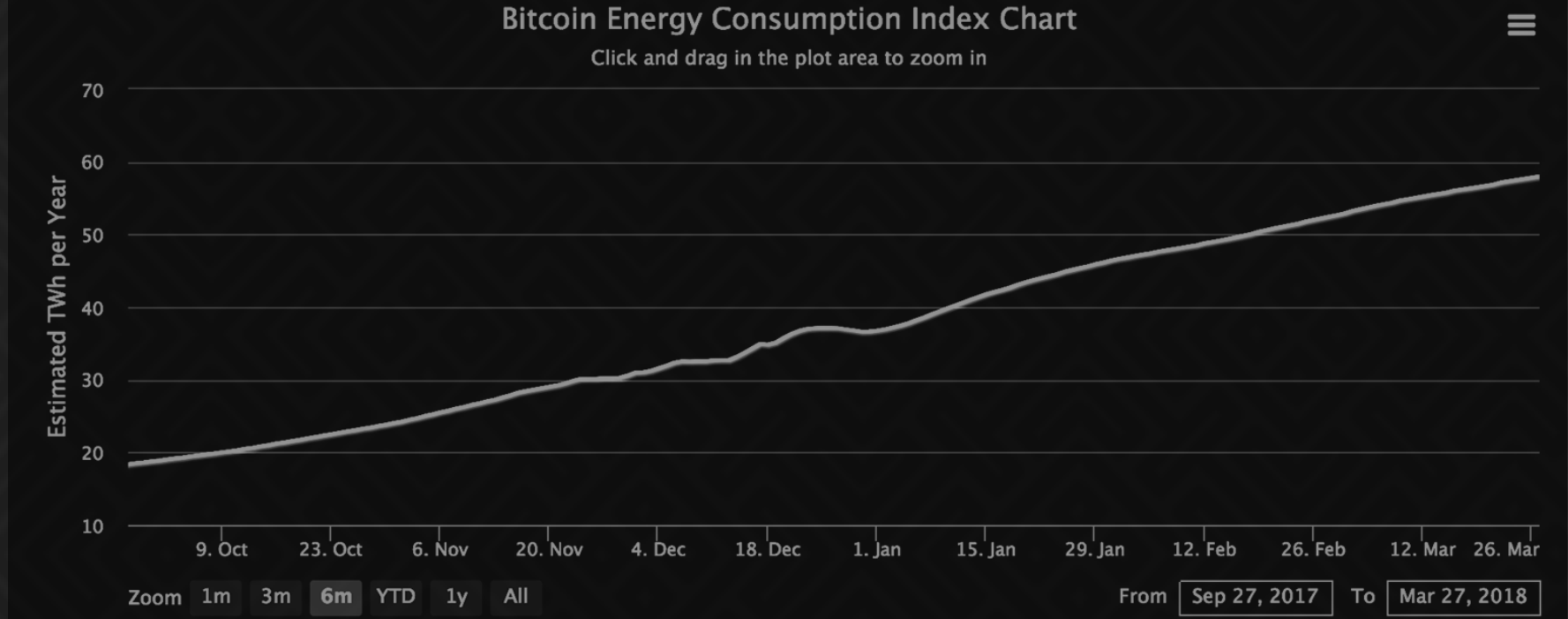
Description	Value
Bitcoin's current estimated annual electricity consumption* (TWh)	57.86
Annualized global mining revenues	\$6,539,898,183
Annualized estimated global mining costs	\$2,892,794,554
Current cost percentage	44.23%
Country closest to Bitcoin in terms of electricity consumption	Algeria
Estimated electricity used over the previous day (KWh)	158,509,291
Implied Watts per GH/s	0.238
Total Network Hashrate in PH/s (1,000,000 GH/s)	27,775.00
Electricity consumed per transaction (KWh)	873
Number of U.S. households that could be powered by Bitcoin	5,357,027
Number of U.S. households powered for 1 day by the electricity consumed for a single transaction	29.49
Bitcoin's electricity consumption as a percentage of the world's electricity consumption	0.26%
Annual carbon footprint (kt of CO2)	28,349
Carbon footprint per transaction (kg of CO2)	427.57



# Ai Decentralized

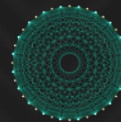


## Bitcoin Energy Consumption Index



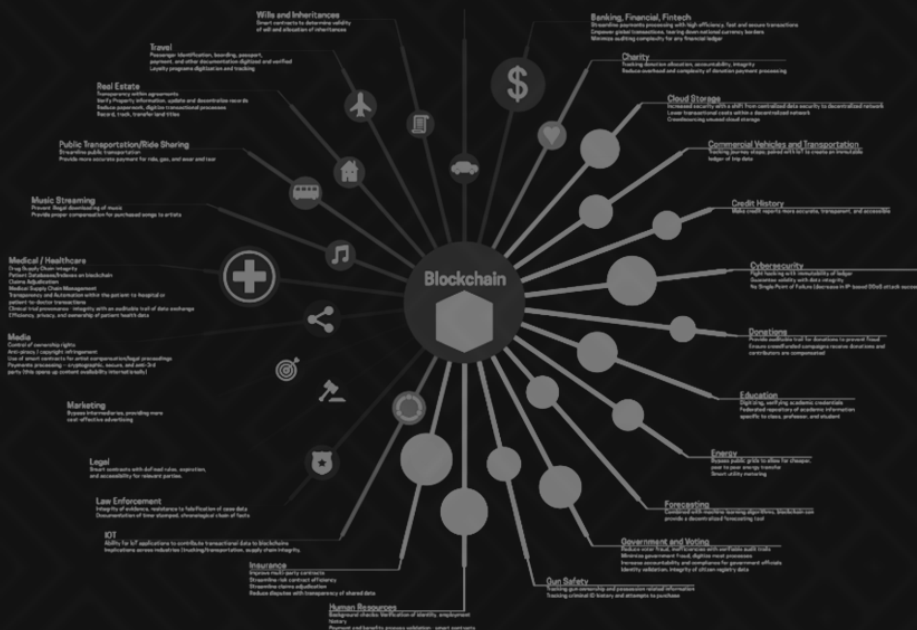


# Ai Decentralized



## The Promises Of The Blockchain Are Too Good To Pass On

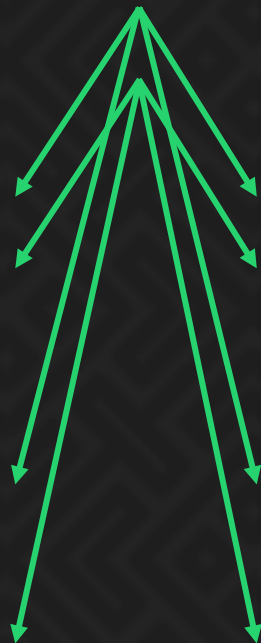
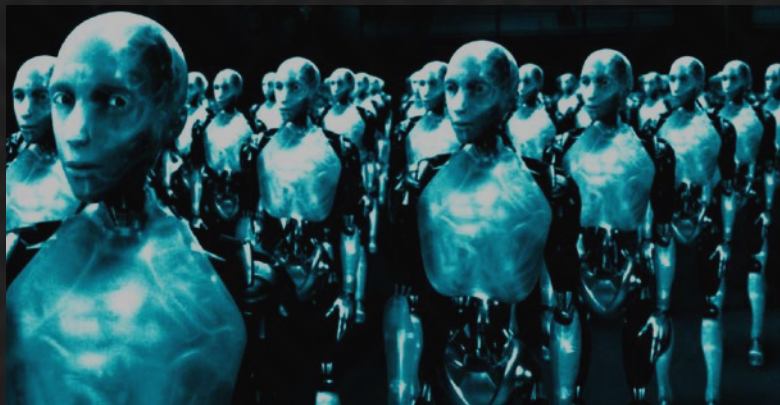
Medical/Healthcare  
Legal  
Law Enforcement  
IOT  
Insurance  
HR  
Automotive  
Wills and Inheritance  
Travel  
Real estate  
Music Streaming



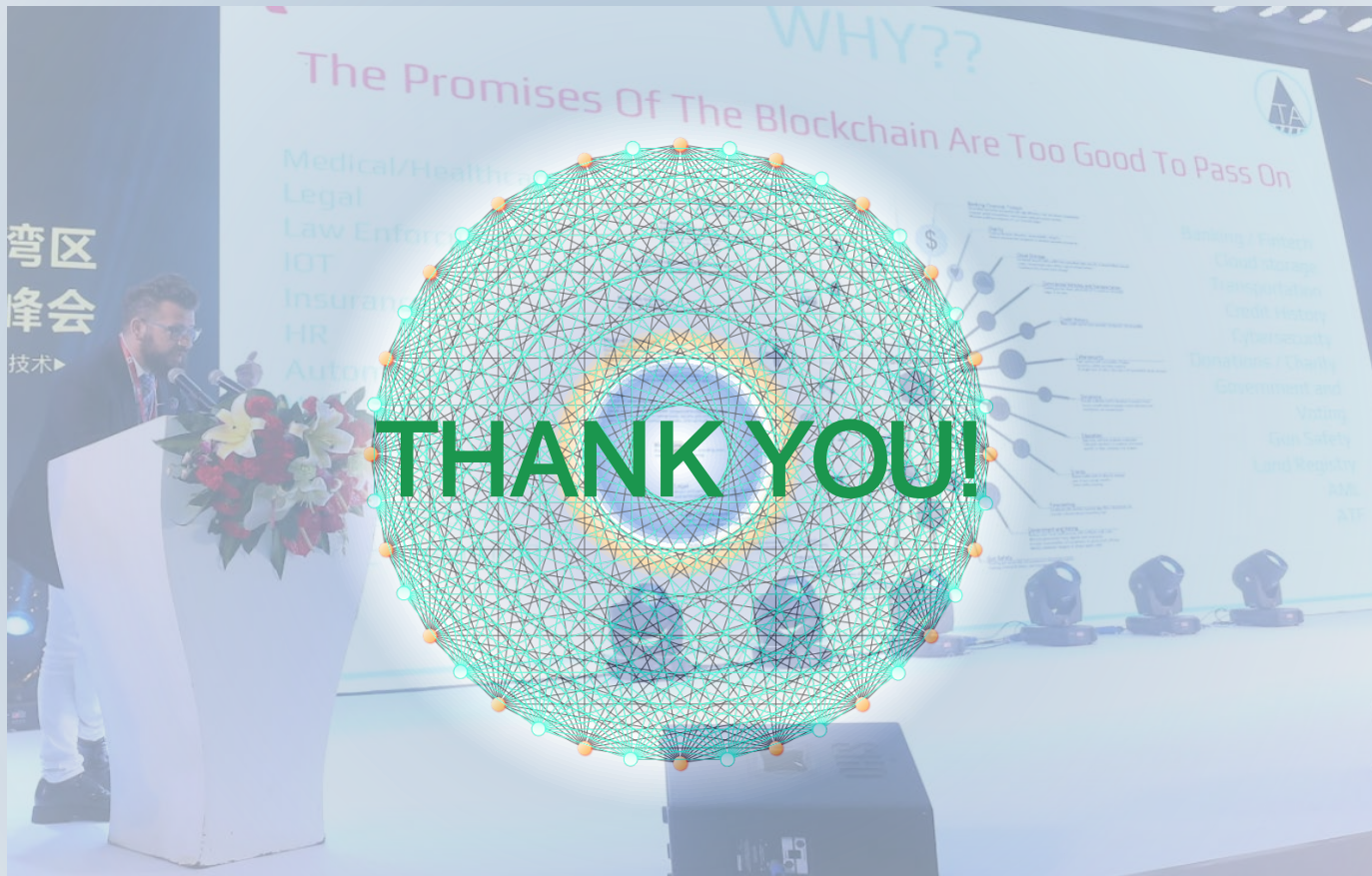
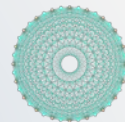
Banking / Fintech  
Cloud storage  
Transportation  
Credit History  
Cybersecurity  
Donations / Charity  
Government and Voting  
Gun Safety  
Land Registry  
AML  
ATF



AI VS AI







[Toufi@privacyshell.com](mailto:Toufi@privacyshell.com)



# ACM: The Learning Continues...

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- ACM AiDecentralized Conference: <https://www.aidecentralized.com/>