

# The Innovation Game: Decentralised Innovation in the Age of AI

**Kilian H. S. & John Fletcher**

PhD candidate & PhD  
The Innovation Game

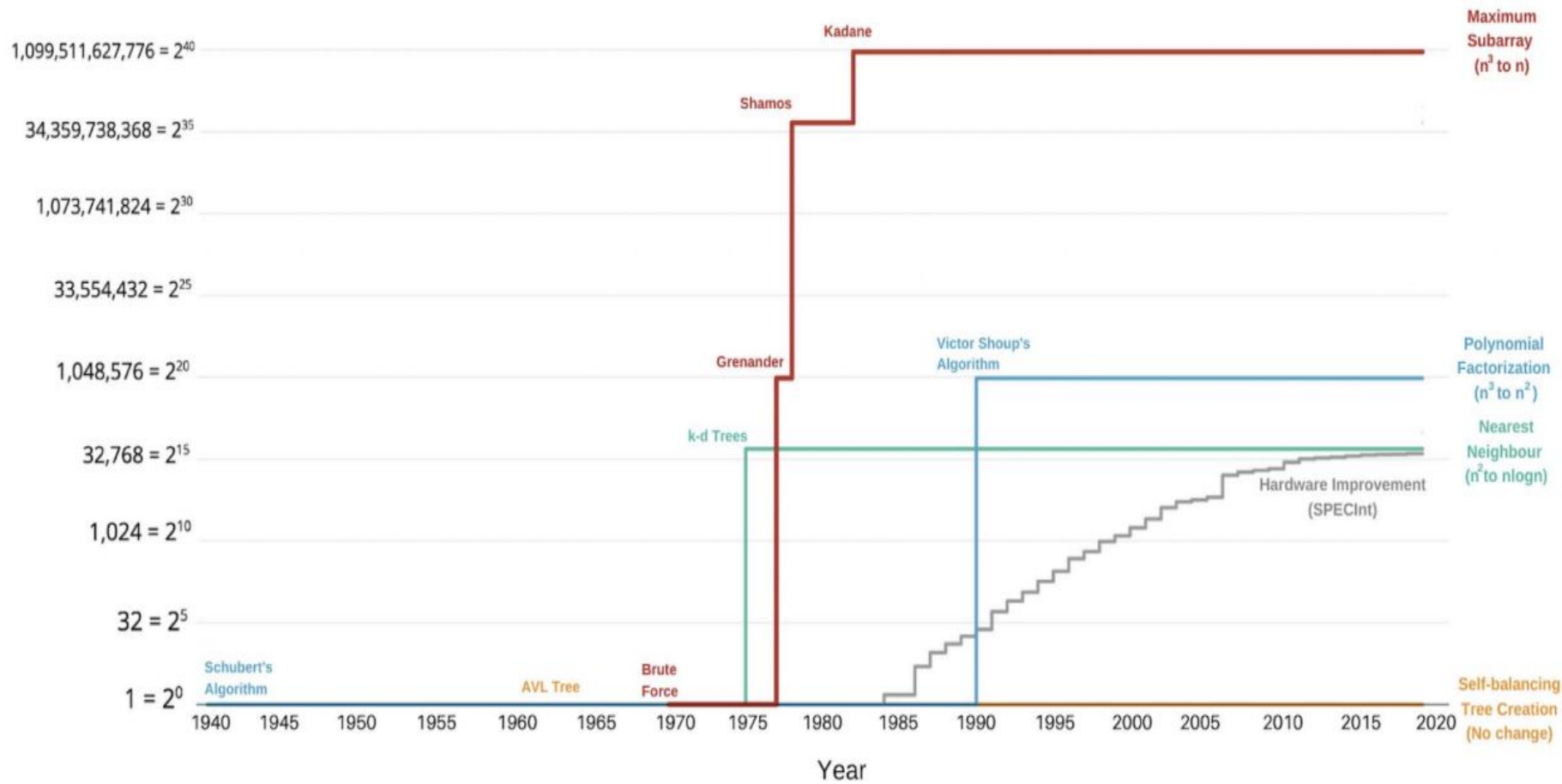


Our mission is to...

**incentivise algorithmic innovation**

Relative  
Performance

## Sherry & Thompson (2021)





**How do we incentivise algorithmic  
innovation?**

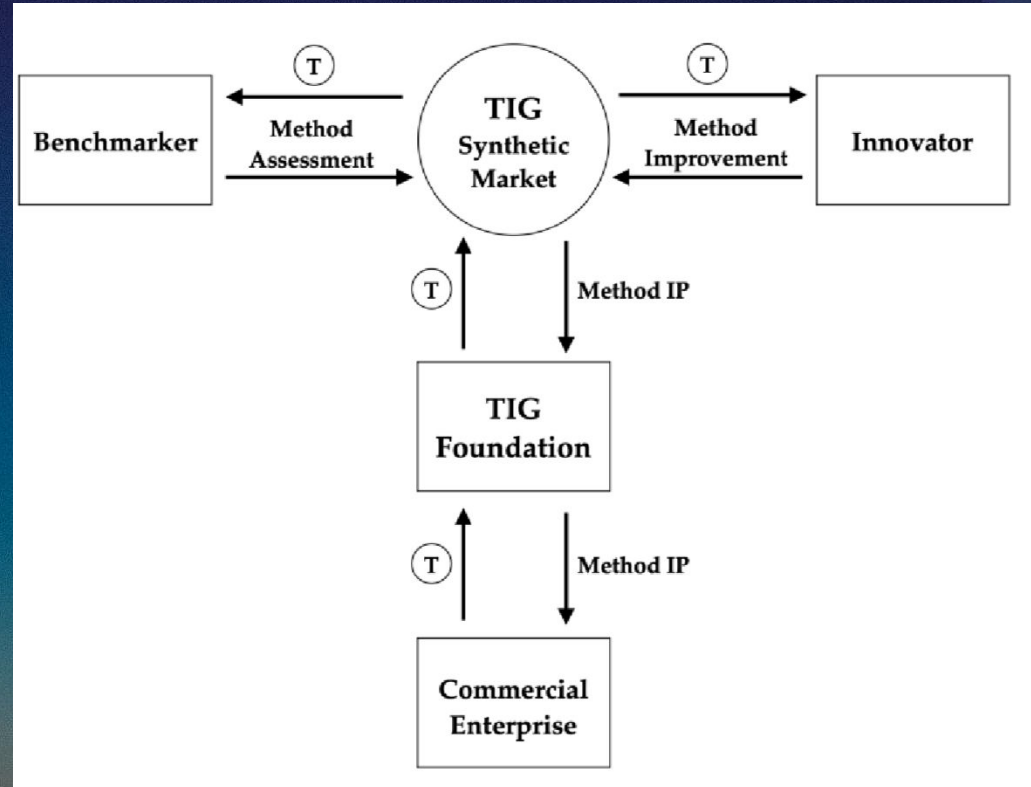



# using blockchain technology to capture IP value

## Leverage **Proof-of-Work** mechanism

The following actors in the network:

- Innovators (providing IP)
- Benchmarkers (running IP)
- Verifiers (checking IP)
  - verify:
    - Solution verification (fast)
    - Method verification (rerun)
  - occasional rerun





**The Innovation Game  
combats centralisation  
threats of A.I.-driven  
algorithm development by  
rewarding IP via blockchain  
technology**



# Thank you!

**Kilian H. S. & John Fletcher**

PhD candidate & PhD

[kilian@tig.foundation](mailto:kilian@tig.foundation)

[john@tig.foundation](mailto:john@tig.foundation)

