

## Fintech Week

Some thoughts:

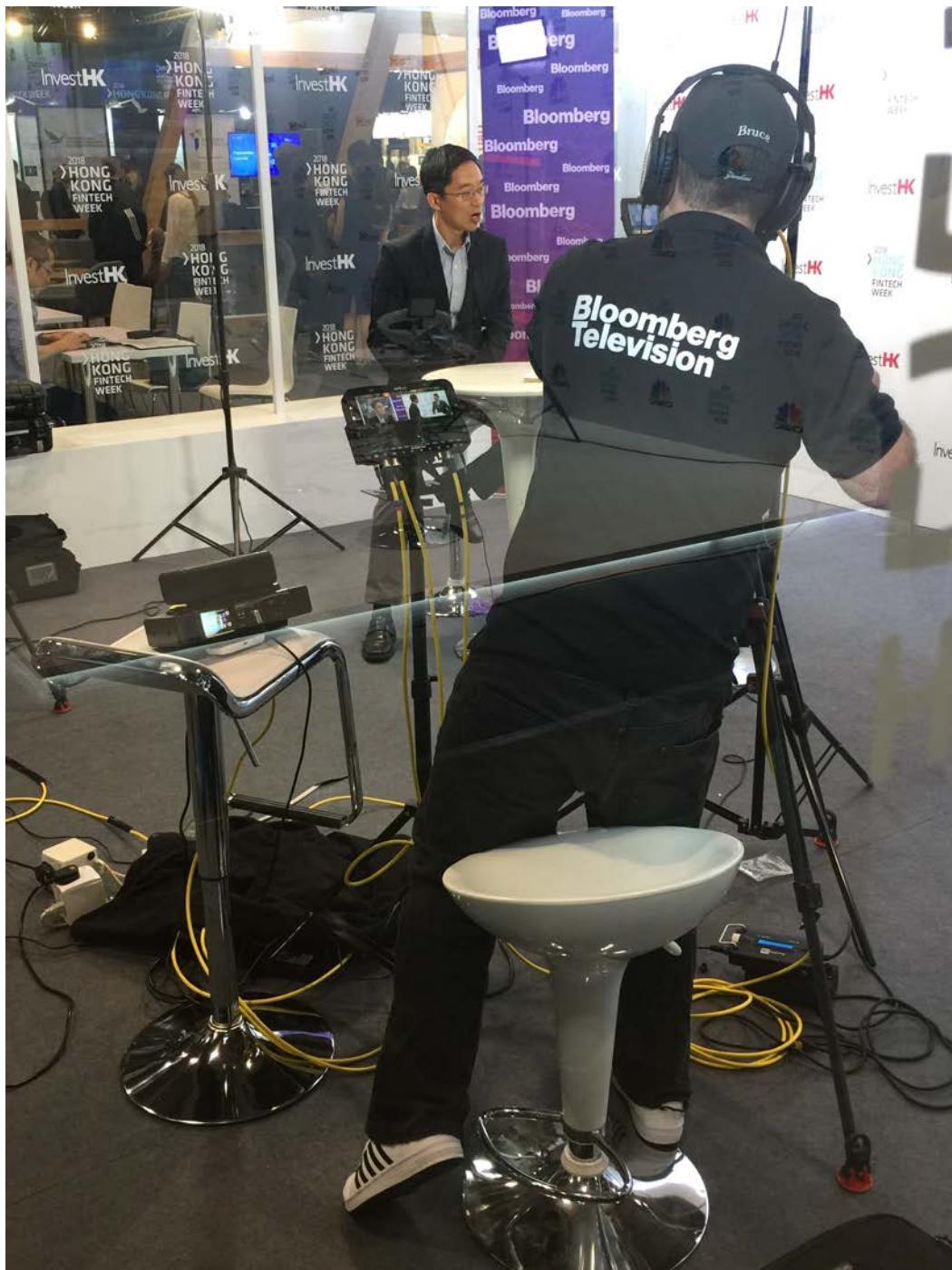
- Whole event focuses on the theory more than technologies
  - Most of the people seem like investors rather than researchers
  - Expected to hear more about the technical side of how Fintech or AI works but most of the talks focuses on the business side like how to start or maintain a Fintech company
  - Hope there will be more stuff related to the technical side so that the event can be a real tech-sharing event for both business man/woman and scientists, researchers, programmers
- Many topics mentioned the major barriers of Fintech is “legacy system” in companies and also “old” mindsets
  - Seems like fintech still need several years’ time to be accepted and applied world widely.
  - Hong Kong different from other region as we always put regulations first than implementing the latest technologies, where other countries or regions normally apply technologies first and see what need to be regulated. I think both have their advantages but maybe we can somehow find a way to balance both regulation and implementation of latest technologies simultaneously so that we can safely use new technologies while not losing our competitiveness.
- Parkinson can actually be solved now by AI with deep mind stimulation according to a scientist

## Special:

Broadcast system used by Bloomberg is quite interesting.

Being their camera man really needs multitasking, 1. Pay attention to the conversation and choose which camera to be the main camera 2. Adjusting his own camera 3. Use touch screen to choose cameras





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## Interesting talks

Norman : Some say too many financial analysts than programmers. CEOs, the boards need to change their mindsets.

Not direct competition between tech firms and traditional banks, collaborative opportunities.

Eric: (Ant Finance CEO) Collaborating together with customers and build a ecosystem to get what customers really need.

Fintech-gration, fully open banking with apis incorporate to tech firm platforms like amazon, WeChat where users are already tighten in.



## Eberhard Schoneburg: AI scientist



**Now:** Not even near to artificial general intelligence

**Now:** Turin test might be solved in the near decade

- **Maybe some time around** 2029-2060, strong AI will exist

**Major AI Applications:** face recognition, chess

**Narrow AI vs general AI (What makes a General strong AI?)**

1. Common sense

- Physical laws hard to predict

- Sequence of pictures to analysis the scene

AGI - is the Singularity near ?

Solving AGI Problems with cooperating narrow AIs

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AGI - is the Singularity near ?

Solving Common Sense : Understanding Video Scenes

Forecast 1 Second Before Action Starts

Ground Truth Action (not observed)

Kiss

High Five

Hug

Hug

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## 2. Consciousness

- Do we need computer to be consciousness?

Simulate human brain VS make AI's cooperate and work together

- Structure:



Photo of neurons inside our brain

### Future of singularity:

Ray kurzweil (supporters)

Artificial intelligence will figure out they can improve themselves individually, once it happens, nobody can explain what will happen and AI will become singularity.

lifespan rapidly increases:

- brain scanning advance
- recursive self-improvement
- Merging of human and machines

Sir roger penrose (defenders)

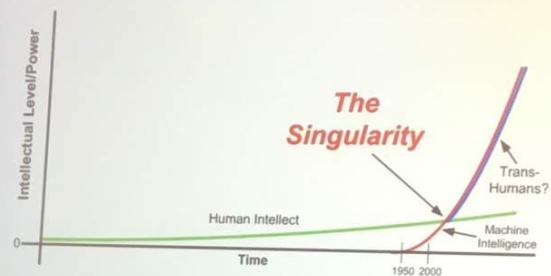
geodes incompleteness theorems

Understanding of math requires quantum

Penrose, Stuart Hameroff: quantum theory of consciousness

AGI - is the Singularity near ?

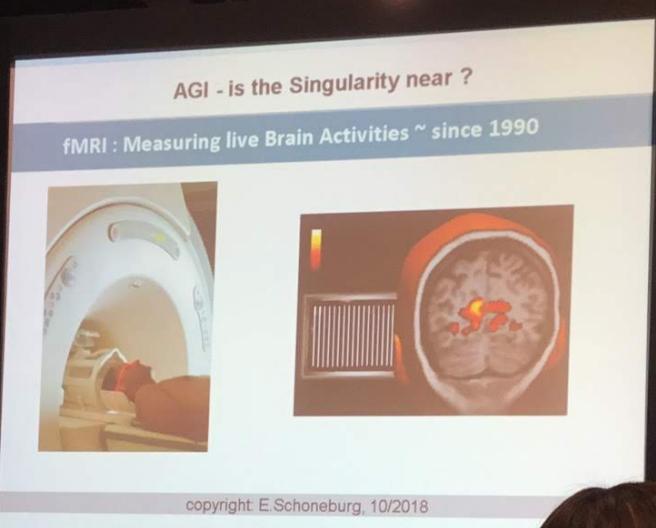
### The Emergence of a Super-Intelligence



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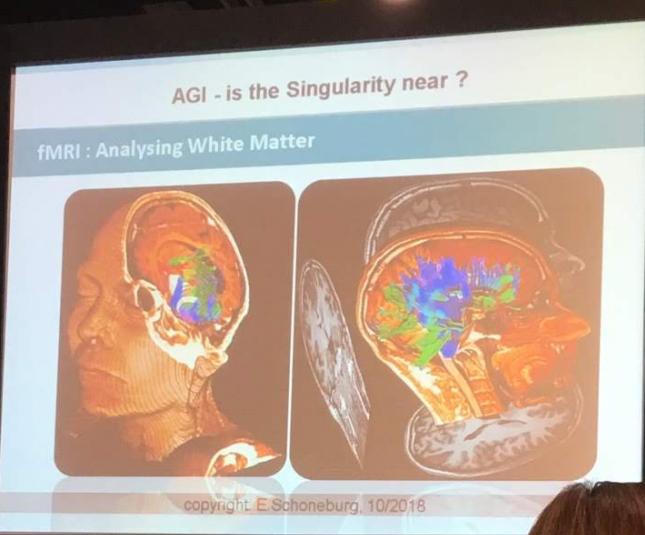


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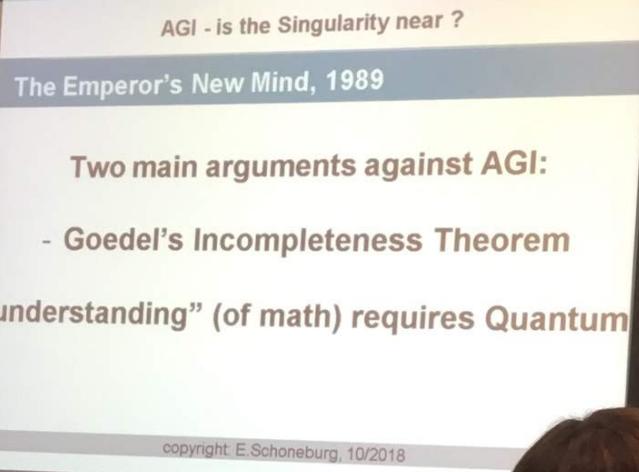
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FINOVASIA



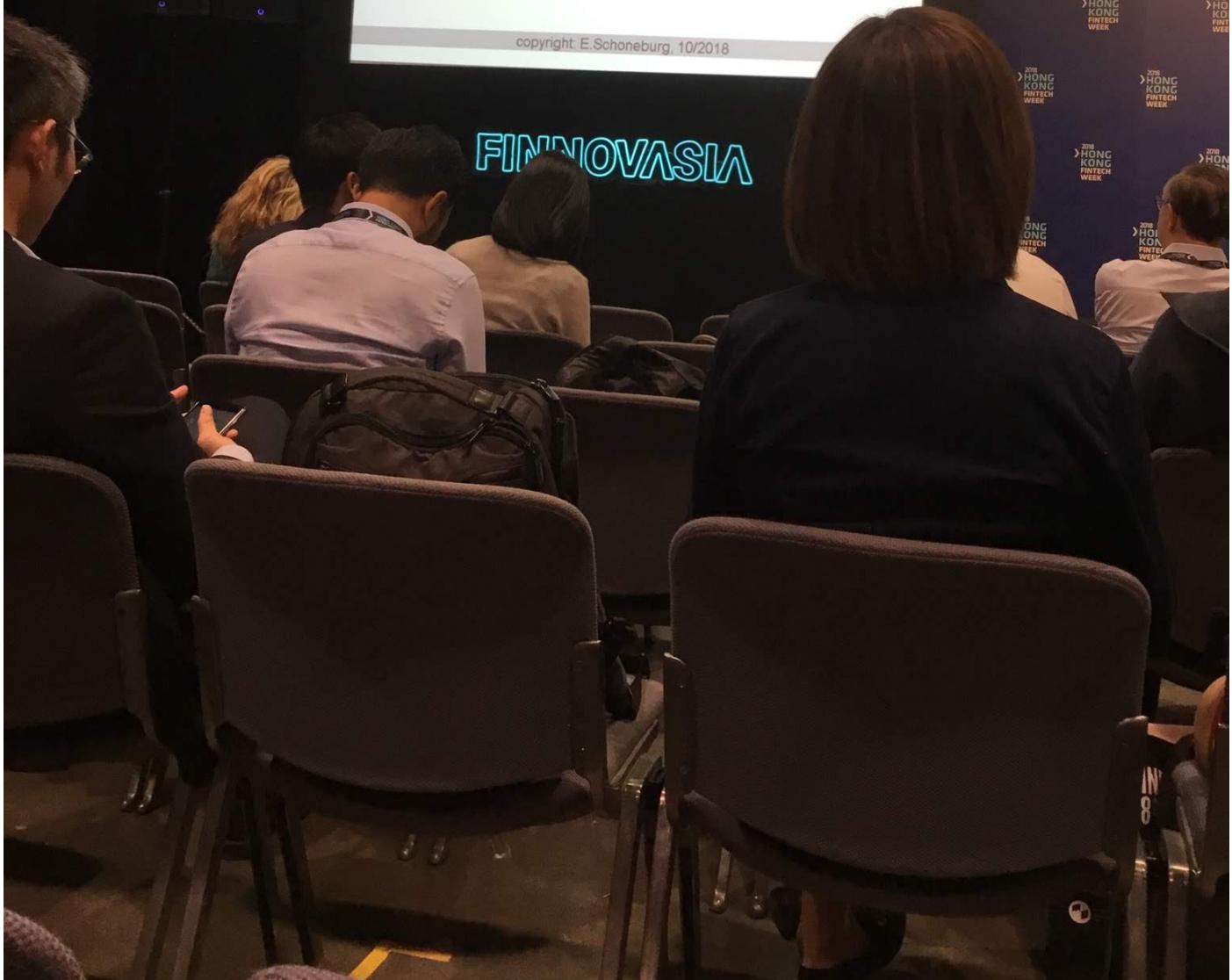
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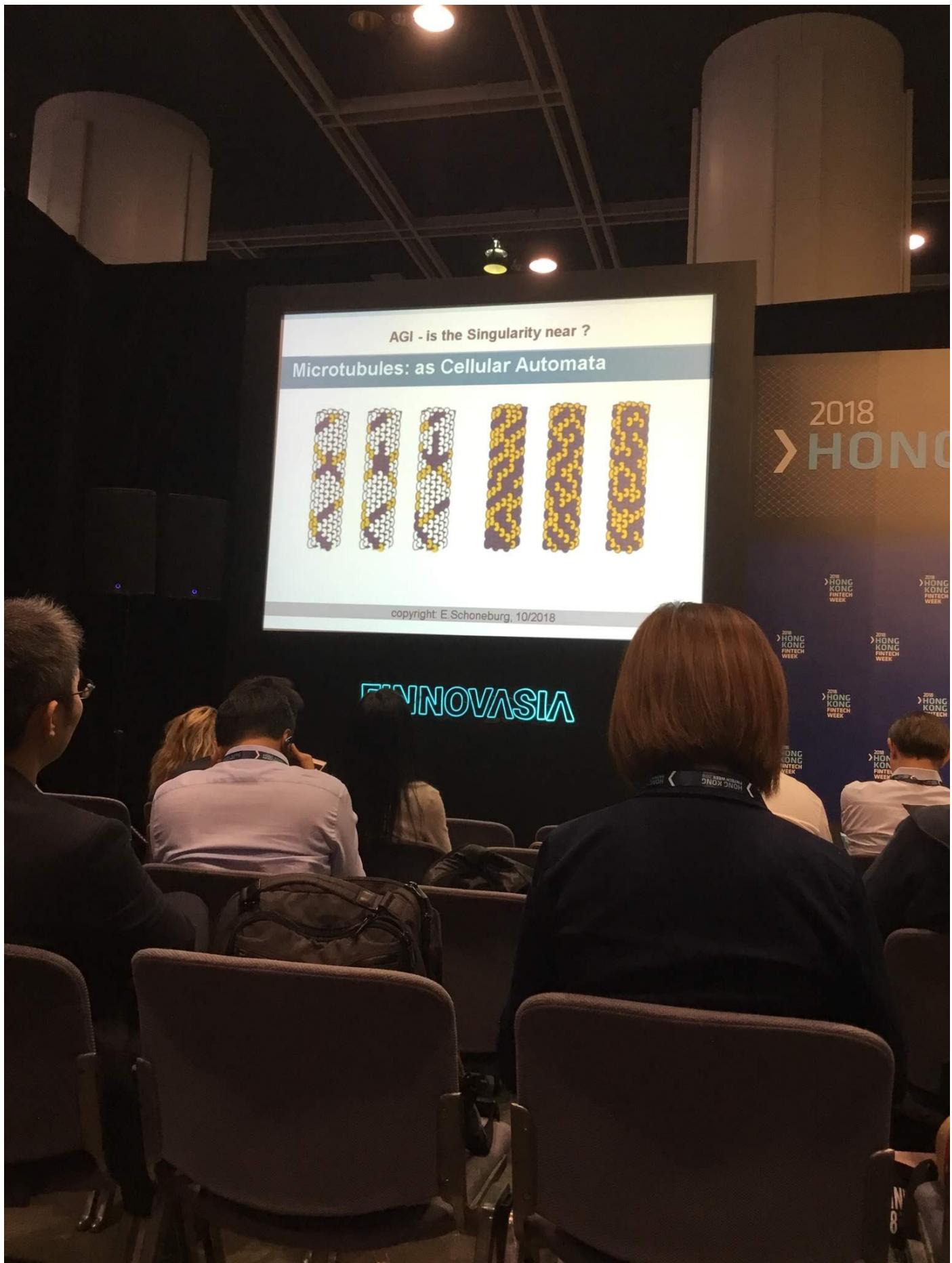
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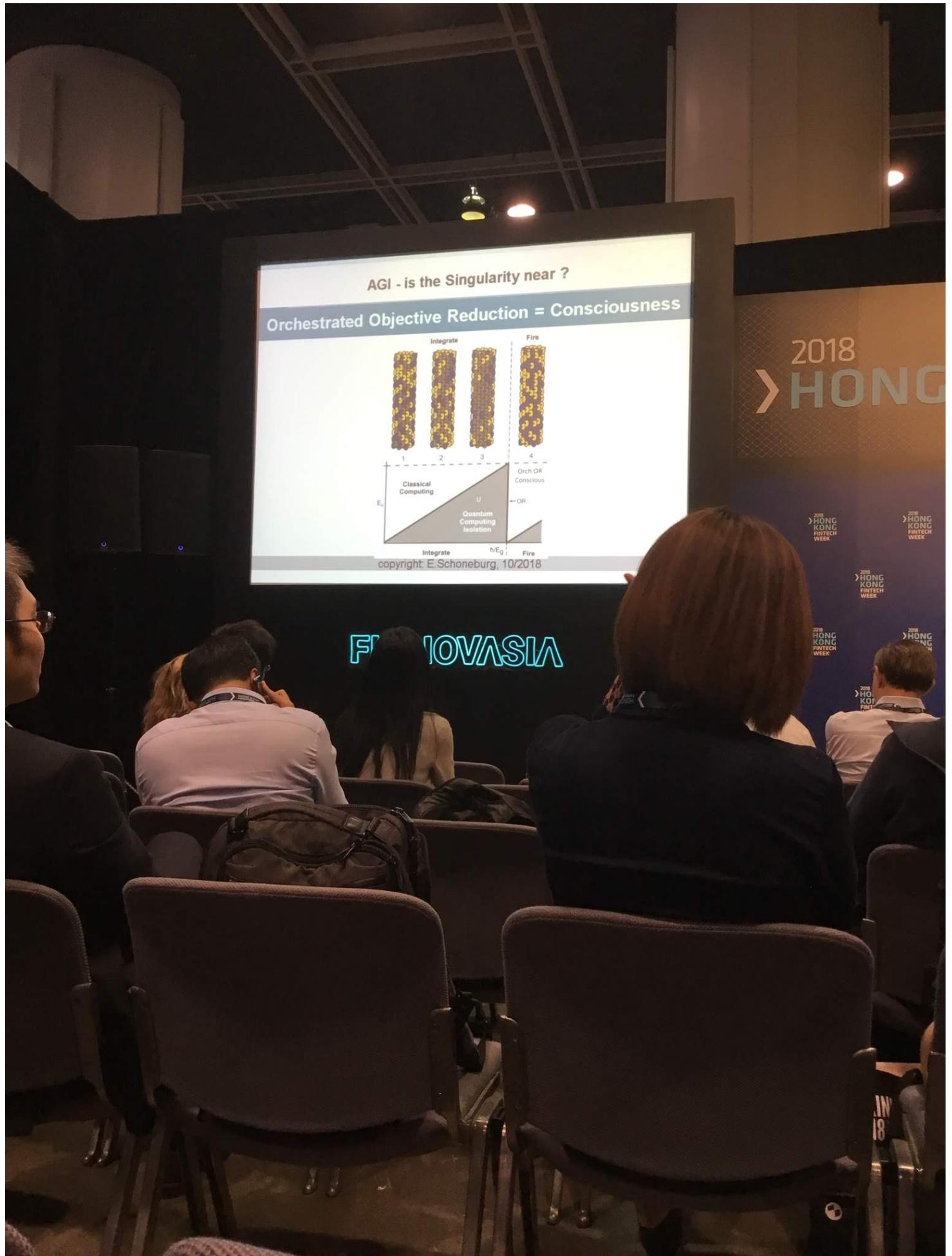




# For cells to move around, they need skeletons to move around (Microtubule)



# Microtubules



# iterates until fully iterated and then collapse in quantum and rejoin. Continuous consciousness.

## Cyborg:

pacemaker for hearts

Artificial cochlea

Artificial retina

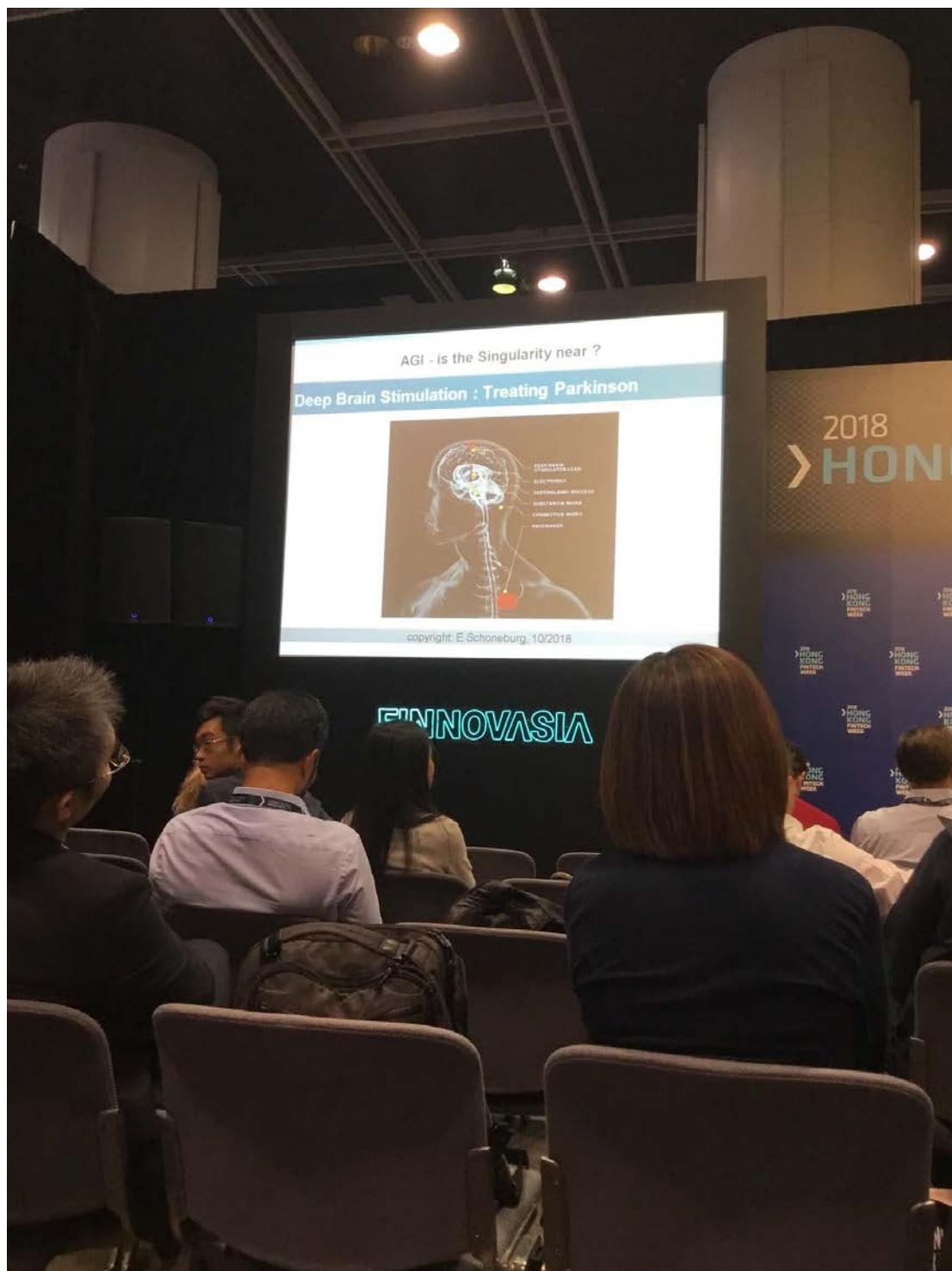
Deep brain stimulation (For Parkinson)

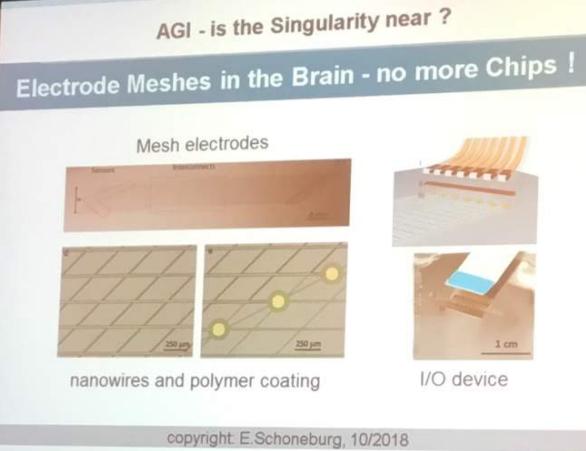
Scientists can grow brain tissues outside cells

- need to ensure all of the tissues oxygenated

- create small tissues for patients to implement in their brain

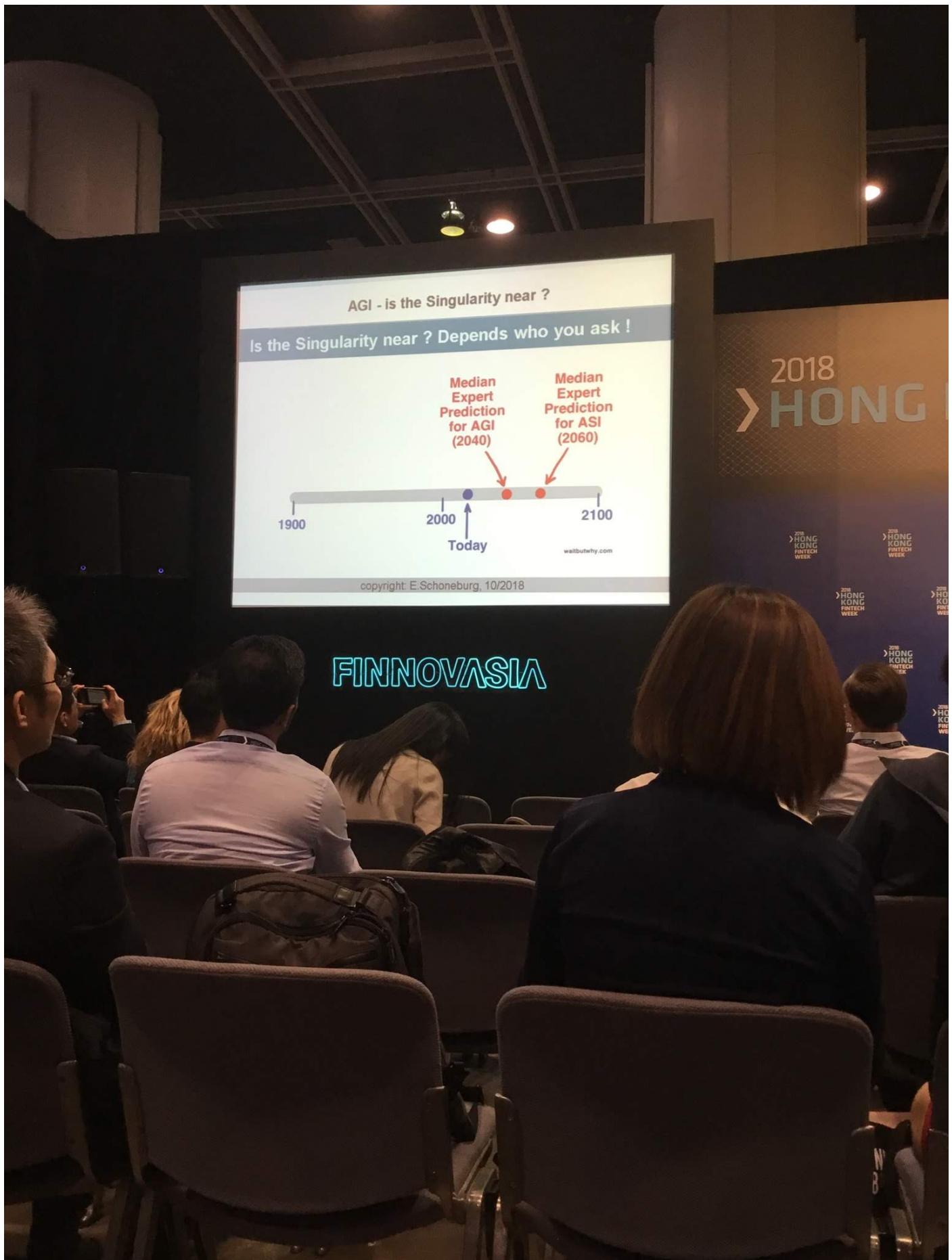
AI and Nano robots





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Being as cyborgs ourselves which we can communicate with AIs must be the only way out to control the recursive self-learning AI.

## Israel fintech



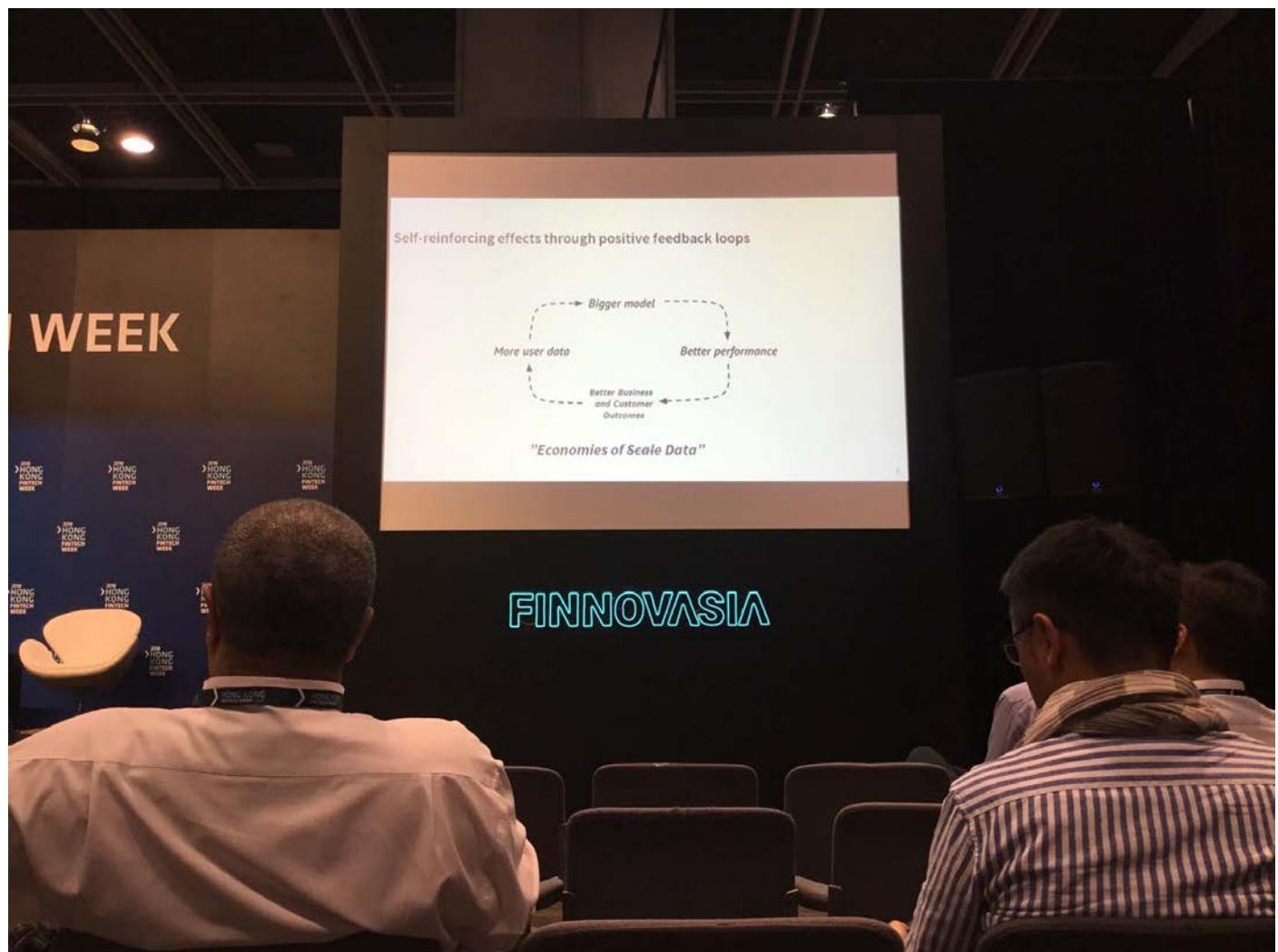
Next stage of development of payment

Not all people are using visa or master and want to use their local currencies.

All people can enjoy payment

## Risk modeling and credit scoring

Alexander graubner muller



4 Key points towards use of fintech in risk modeling

1 data



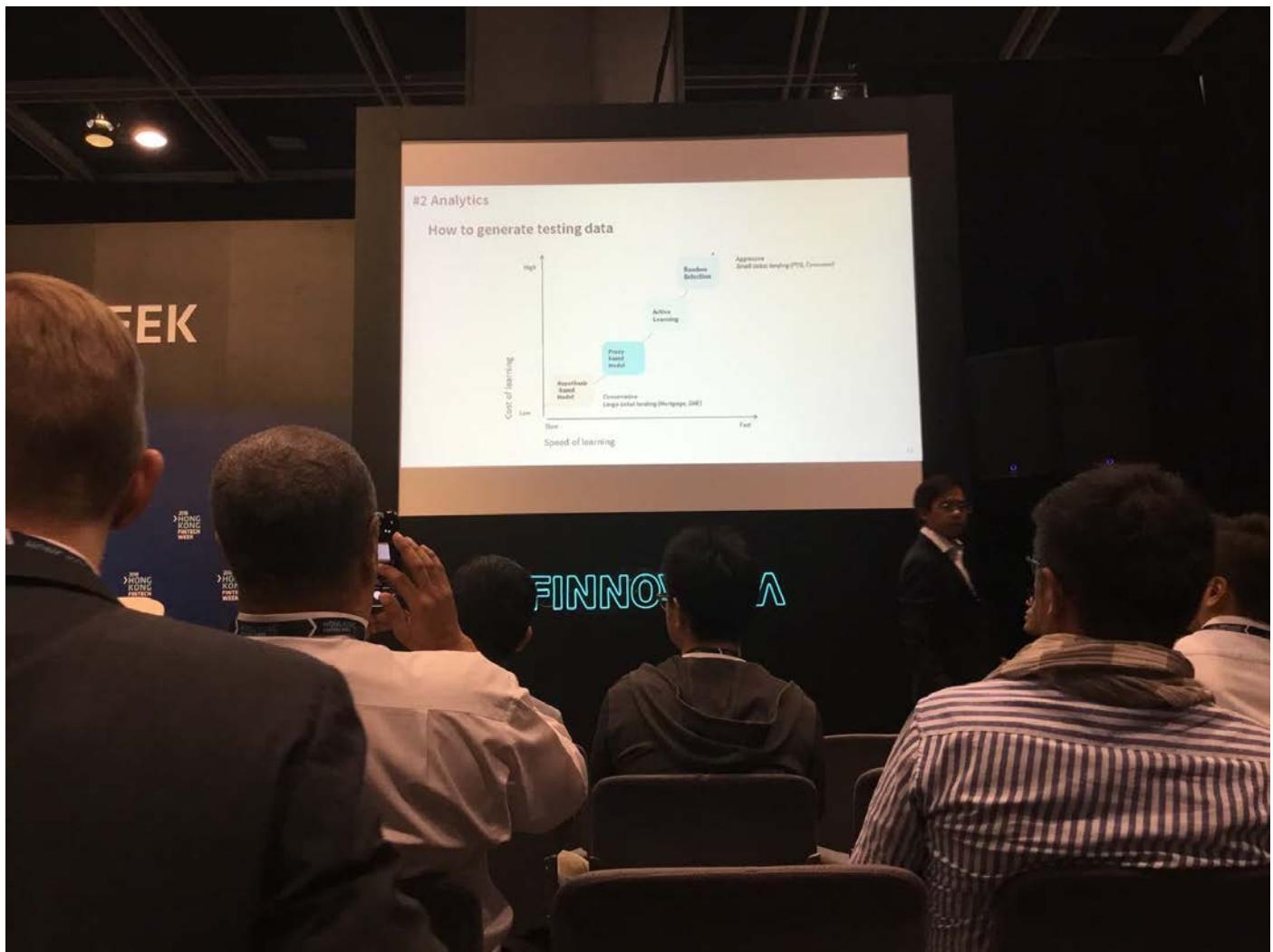
## debt capacity

## Willingness to pay

## 2 analytics



3 technology 4 talent



## How to scale up if tech startups

Standard chartered - Alex Manson head of sc ventures

- 20-22 years old can be an important stage

As people this age will do stupid things



- Startups should be client obsession

client and customers are input, while others are output.

Must start from doing something really valuable to clients



- Empathy from large organization is crucial for startups  
Rely on large corporations helping your small startup business
- Speed of poc is also important  
have a quick sense of whether it will success or not  
Normally tested in sandbox environments  
Faster speed of poc has mutual benefits, startups can also gain feedbacks rapidly  
Mutual learning
- learning experience engaging in large enterprise is crucial to startups



- Accept the brutal reality  
Somehow realities will crash your ideas
  - Quicker we embrace it, faster we can deal with it  
Embrace the fact of brutal reality  
Pullback to blank sheet of paper  
Iteration is super important  
Questions  
Banks are eager to share experiences  
Validation
-

## Tinkoff (Russia)



faced challenge to fulfill central bank requirements of having branches

Solved by having educated employees, delivering credit and debit cards, even larger logistics scale than Dhl in Russia

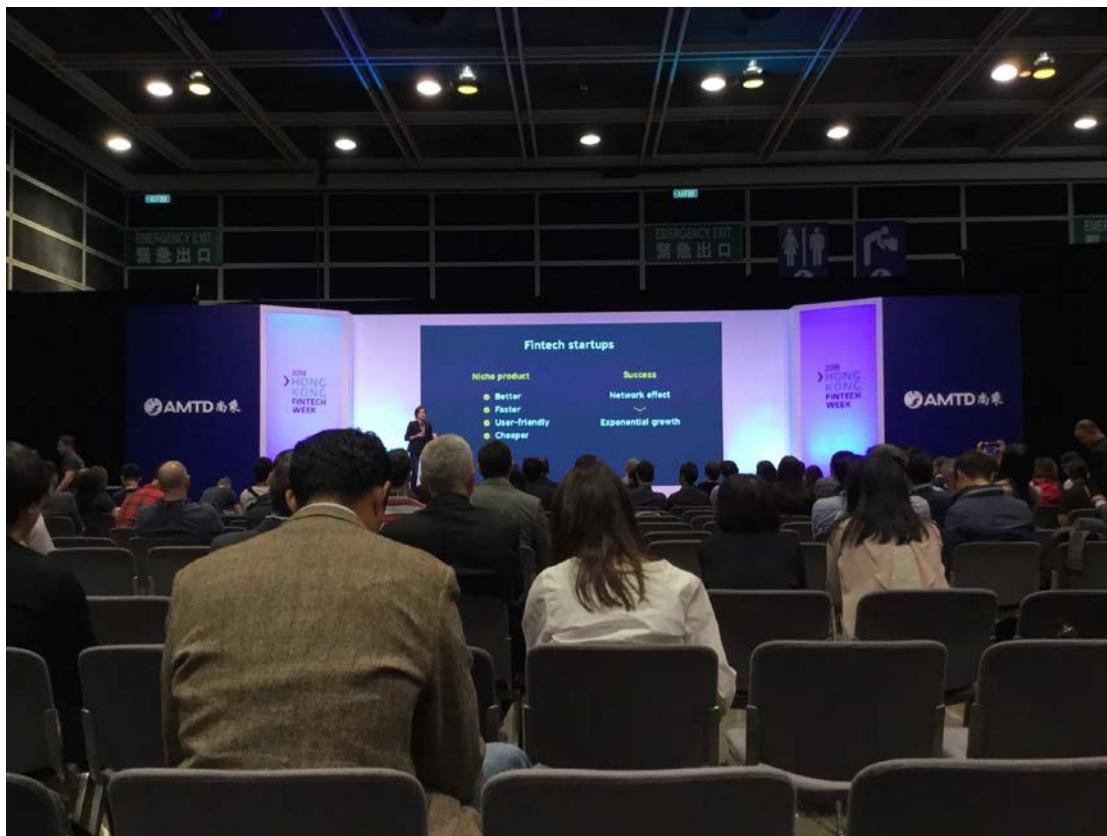


One office in Moscow

Instead of outsourcing, tried to build it system in-house



Niche products  
disrupting current old system width cheaper price and so on



Second type of spending  
positive spending  
Lifestyle spending  
Education, stocks, lifestyle

\* lifestyle strategy

Give additional values to customers

Test and learn approaches

don't hire consultants

Test and see how it works

If ok continue expanding or not just kill it

Open to collaborate but dedicated to do themselves

Dedicated team to research on new areas by themselves

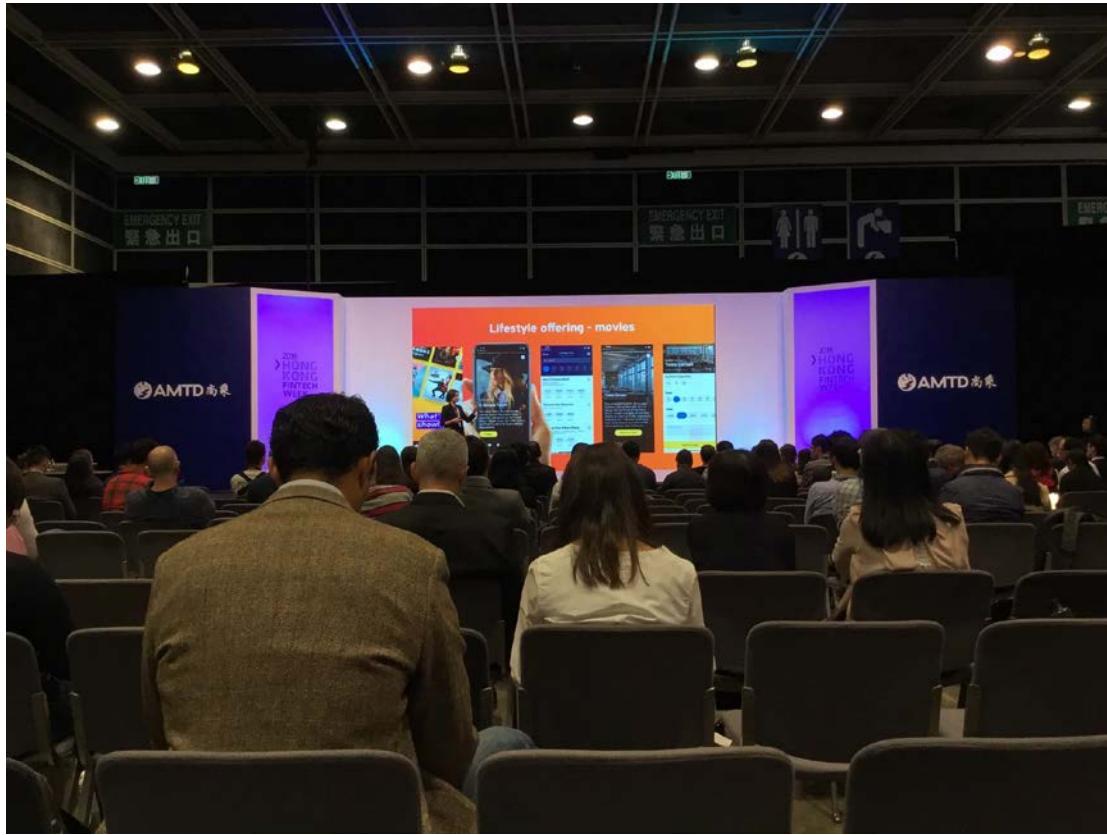
If there is other companies doing better than them, they acquire them by m and a process

Don't fully acquire so that the ceos of originally company will still have the passion to continue invest in the old company



Integrated the system as one

Customers can finish orders in app

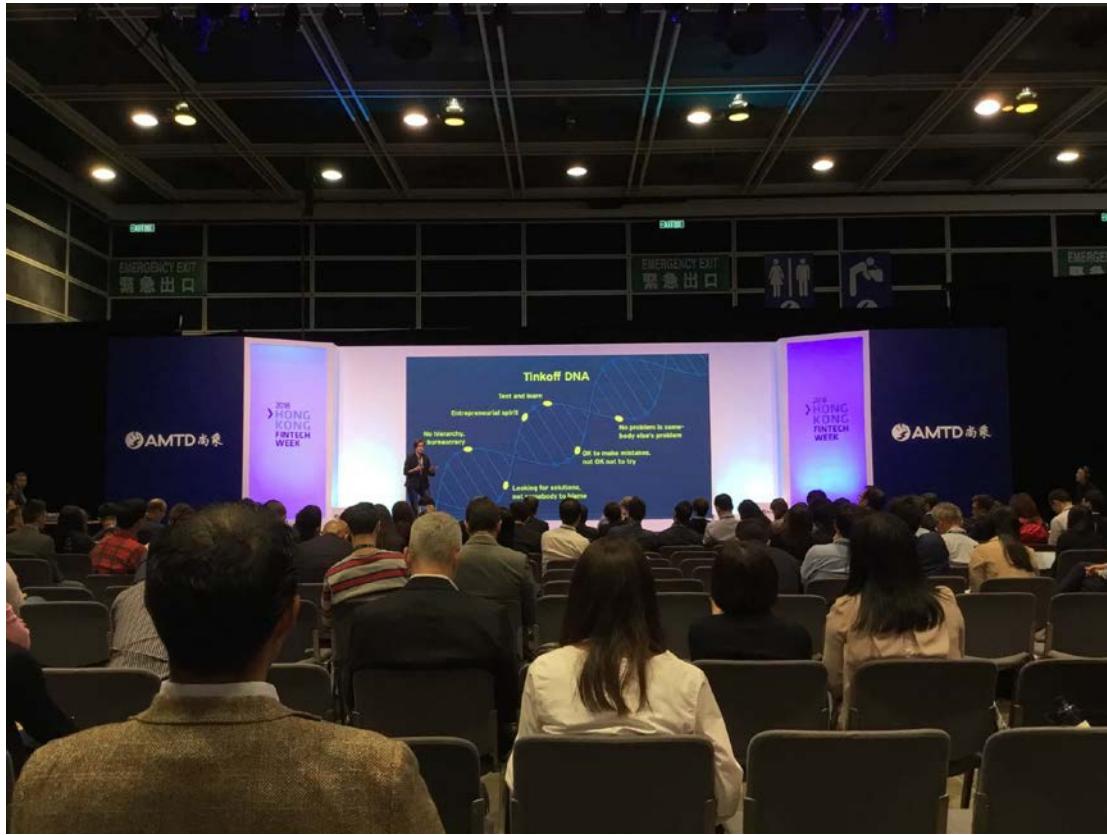


Try to do it developments in-house

Gives employees with no prior banking experience to try new projects by themselves



Encourage people to try out themselves



Panel session



Chad

Pinpoints to address customers?

Not many current alternatives

Start the hook (build real sense of community)- scale up and attract people with extra functions - gain customers' trust

Not a bank  
like amazon bank  
Tear down financial borders  
New experience of finance to customers  
Challenges?  
Brand awareness and scale  
Equity cloud funding  
Building community and using resources of customers is most crucial  
Sc ventures  
How manage transitions and transform organizations?  
Legacy: business model, mindset  
Approaches:  
internally  
- asking managers to get out their ways  
Externally  
- experimenting with new business models  
- Venture thinking  
Critical success factors 0-1  
empathy  
Poc  
Facts and reality that your ideas must not work! So that you can change it

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Innovation of fin tech in AI



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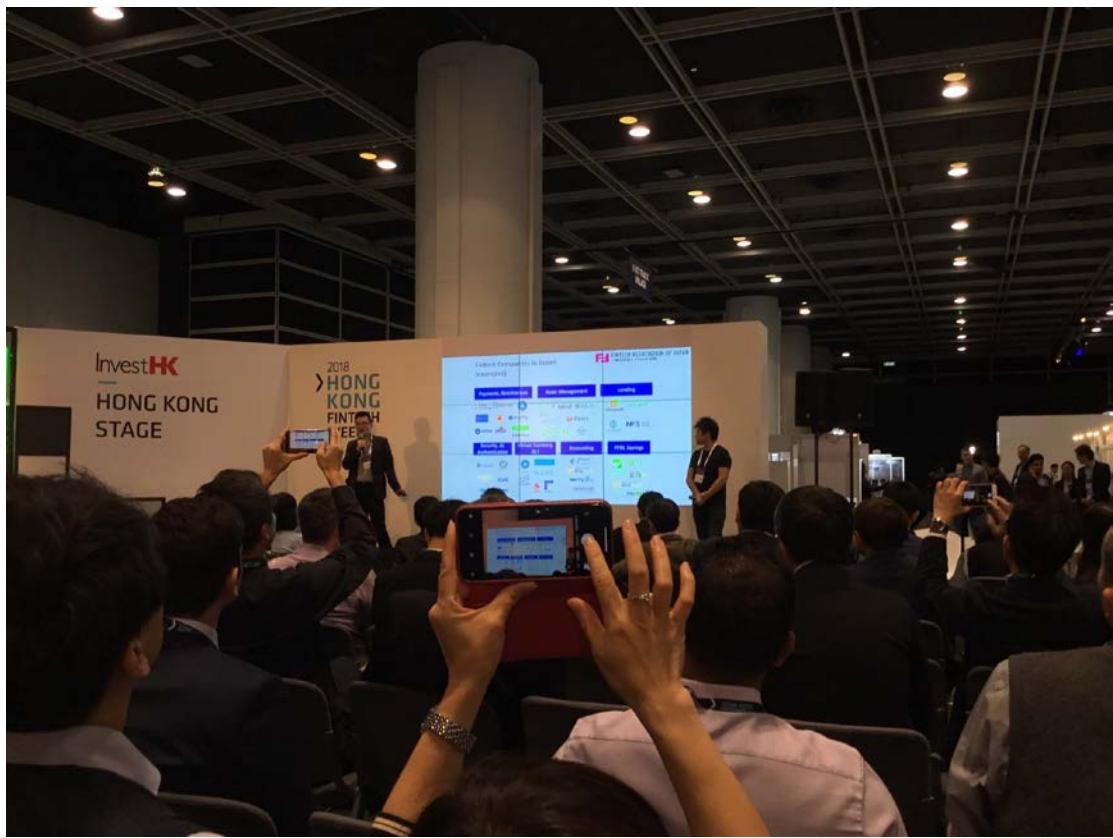
Vs banks capabilities, why can't traditional banks do fintech?

Legacy system

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Fintech association japan





Open api

Citi bank ceo



How banking industry can evolved in order to stay new and become new economy

Open API

Open api to third party usage

Enable connections with different merchants

Multitasking customers comparing to the past

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Winning big in fintech with bigdata



- Big data predicted part doing good
- Big data decision part is also working

Bottlenecks are facing TBs and TBs of data

- Big data is to visualize and predict data
- Data science is predicting, telling stories you never knew, predict something new.

Part programmer, part artist, part story teller

Problem facing:

Technically

Mindset(knowing mindset to knowing mindset-when we deploy the system, banks and customers can ask with natural language and insights will be provided within seconds, knowing what the data stands for)

Data sources(legacy systems)

