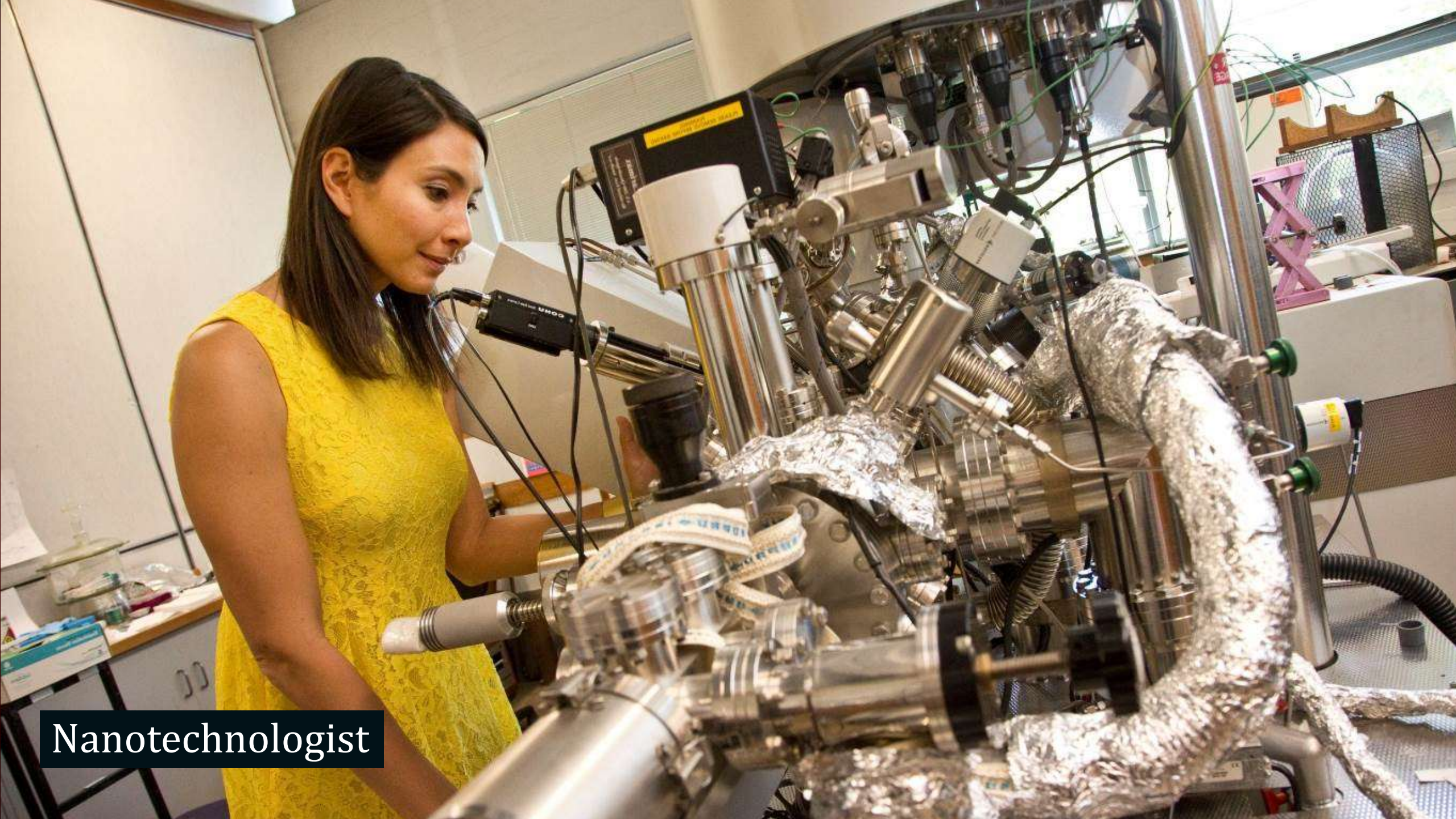




Nanotechnology – the future of work

Dr Michelle Dickinson
Co-Founder, CTO Nanogirl Labs

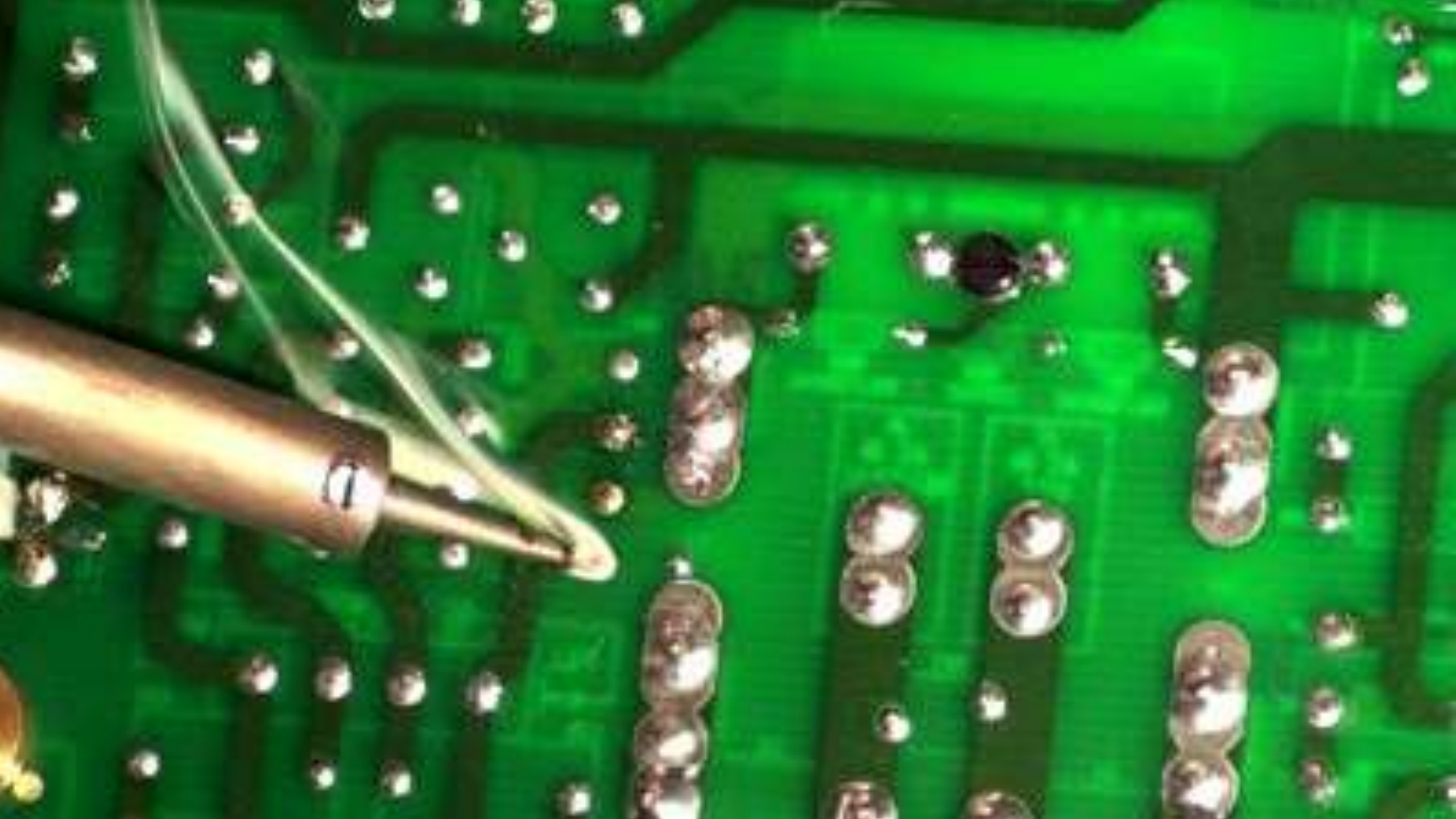
 medickinson



Nanotechnologist





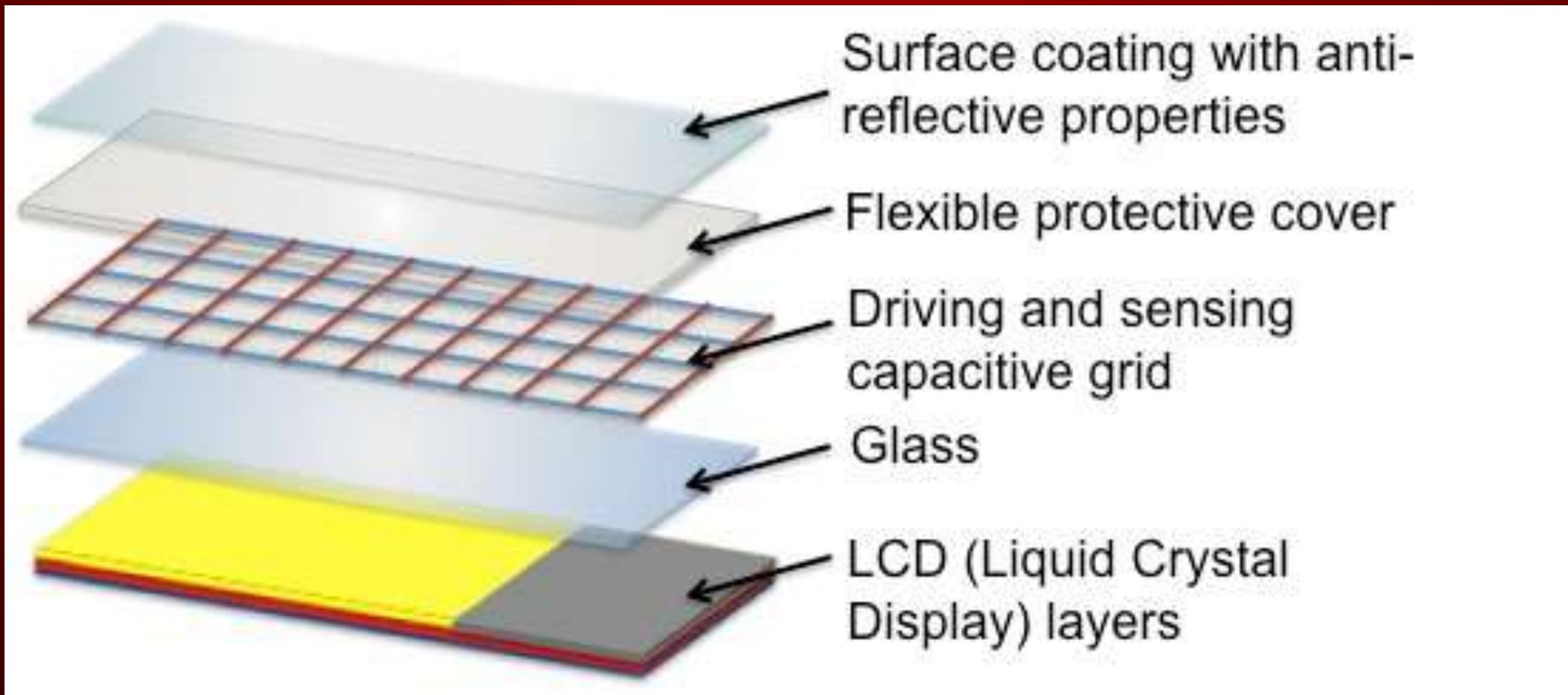


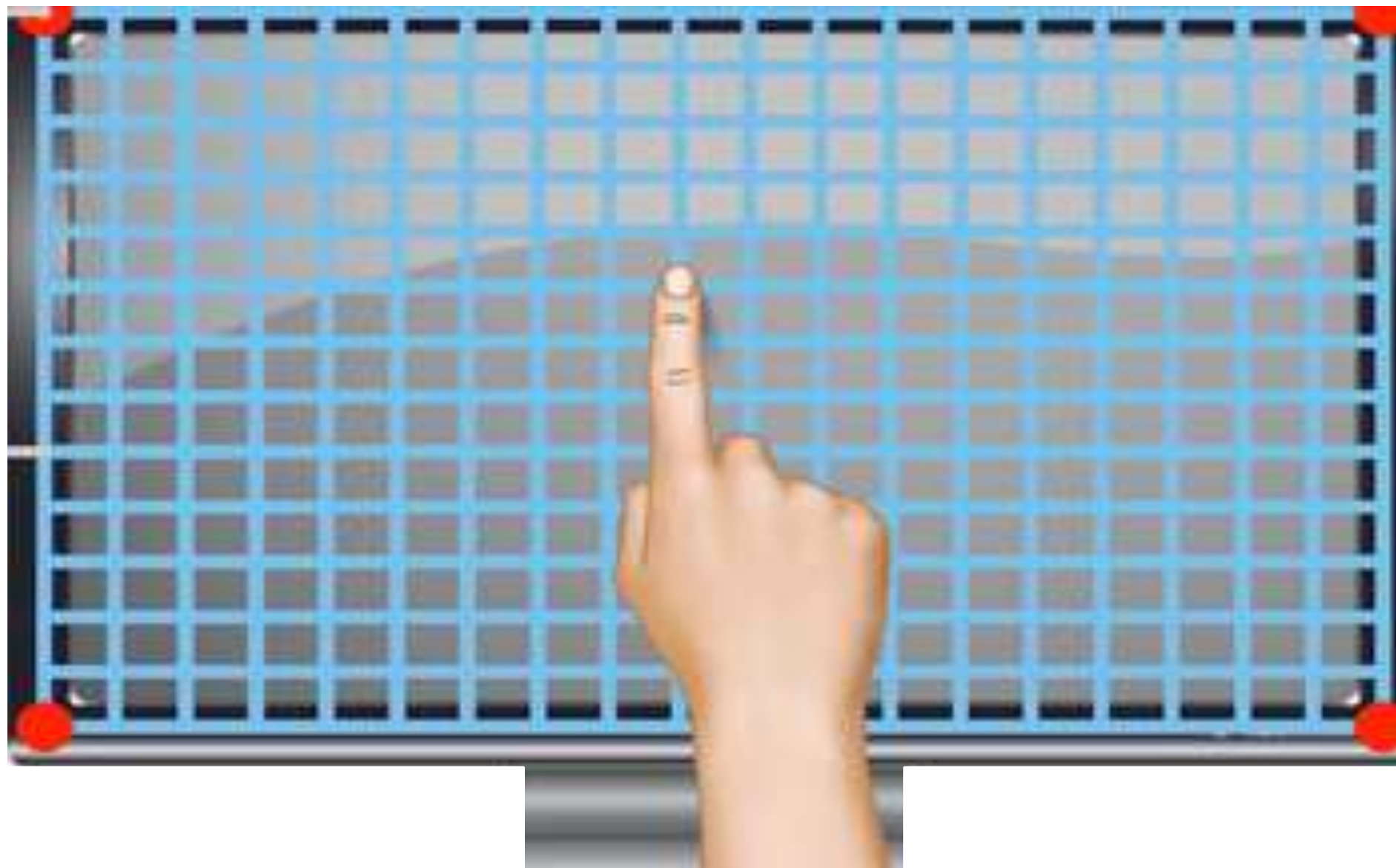




Touchscreens

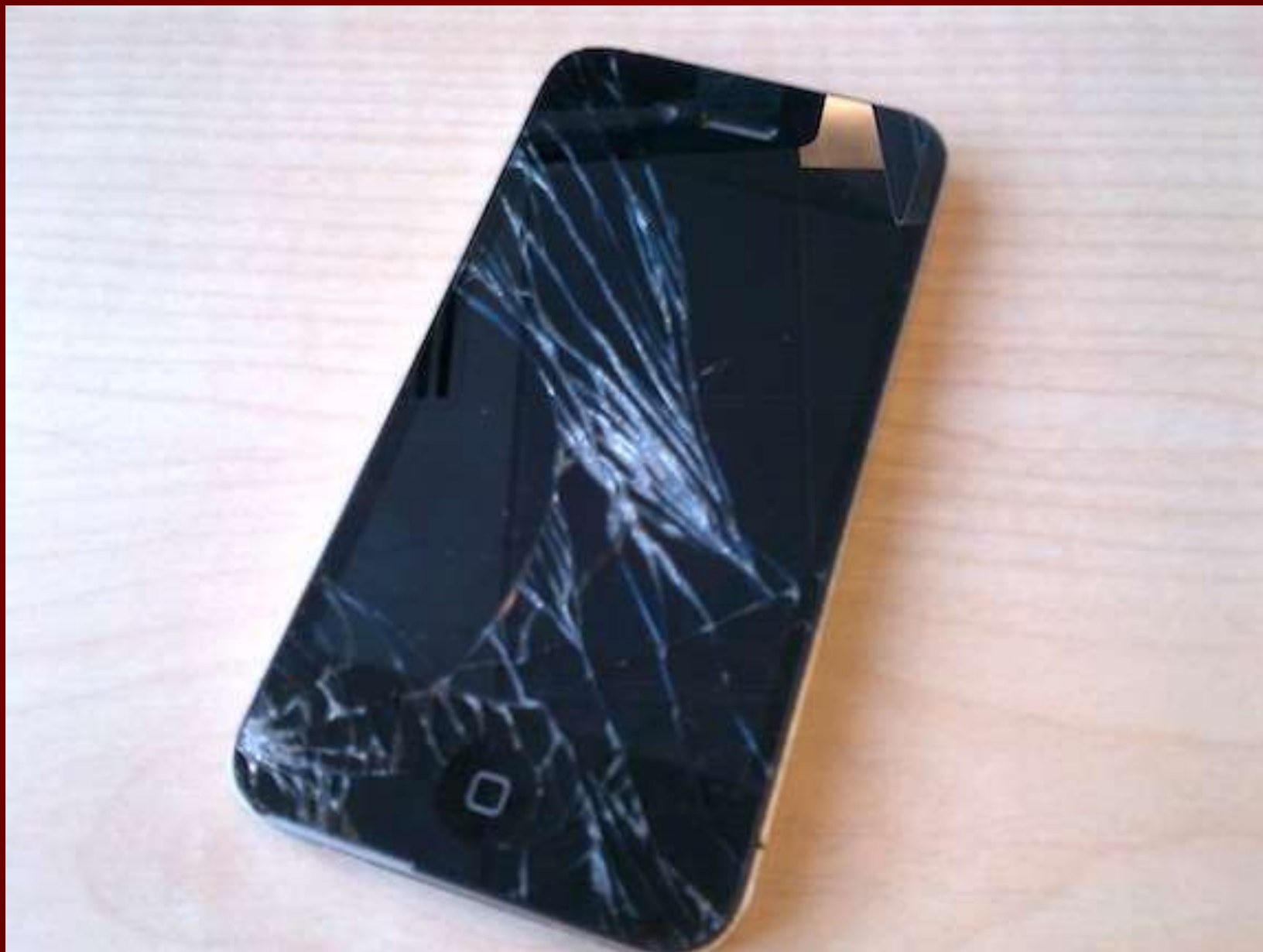
Use the atoms in your finger to interact with your device

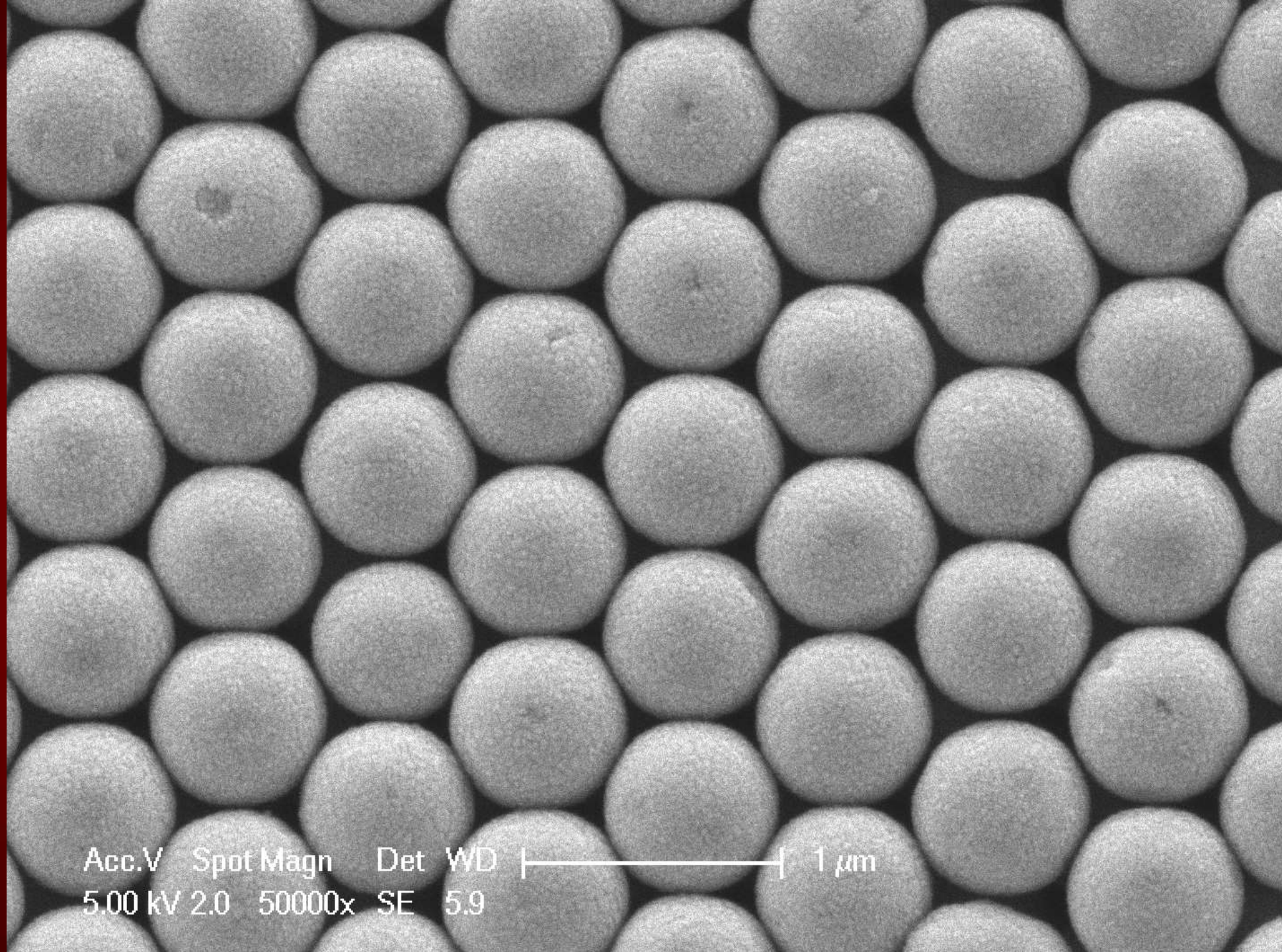




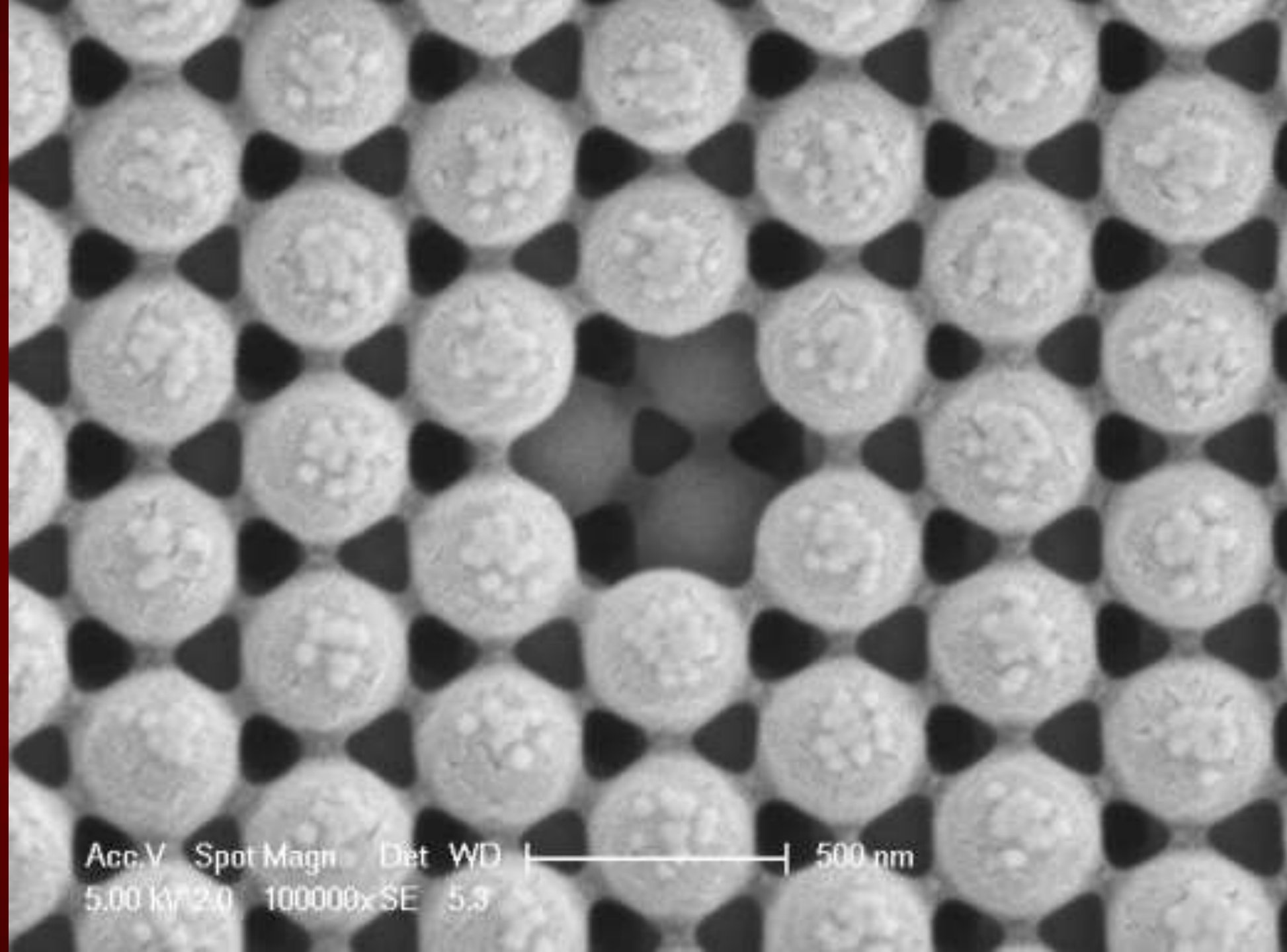
YOU CAN DESIGN THE BEST
TECHNOLOGY IN THE WORLD

BUT YOU CAN'T CONTROL HOW PEOPLE
WILL USE IT





Acc.V Spot Magn Det WD |-----| 1 μ m
5.00 kV 2.0 50000x SE 5.9



Acc.V Spot Magn Det WD |-----| 500 nm
5.00 kV 2.0 100000x SE 5.3



The image is a graphic design with a light blue background featuring faint white lines and dots, suggesting a network or digital theme. A large, light gray, rounded rectangular shape is centered, containing the text 'FUTURE OF WORK'. The word 'FUTURE' is at the top, 'OF' is in the middle, and 'WORK' is at the bottom. The word 'OF' is flanked by a stylized city skyline. The skyline consists of several colorful buildings: a yellow one on the left, a blue one, a small green one, a red one, another blue one, a yellow one with diagonal stripes, a green one, and a red one on the right. The buildings have white windows. The text 'FUTURE' and 'WORK' are in a bold, dark gray, sans-serif font. The word 'OF' is in a similar font but is smaller and positioned between the buildings. The entire graphic is framed by a white, rounded rectangular border.

FUTURE

OF

WORK

★ ★ ★
CHANGE
— *is* —
COMING
— ★ ★ ★ —

Enabling, engaging, and empowering employees

PAST



FUTURE

Hire and Fire

Enables, Empowers, Engages

Not much technology

Heavy reliance on technology
including big data & analytics

Payroll, compensation, benefits

Employee experience

Performance appraisals

Real-time recognition and feedback

Multi-year project design
& rollout

Fast design, implementation
& iteration

Clearly defined workforce

Dynamic and changing workforce



HOW DID YOU GET HERE?



WHEN THINKING ABOUT THE POSSIBILITIES OF
THE FUTURE

DON'T FORGET HOW YOU GOT HERE





WHAT WILL COMPUTER INTERACTIONS LOOK LIKE



Human communication relying more on technology



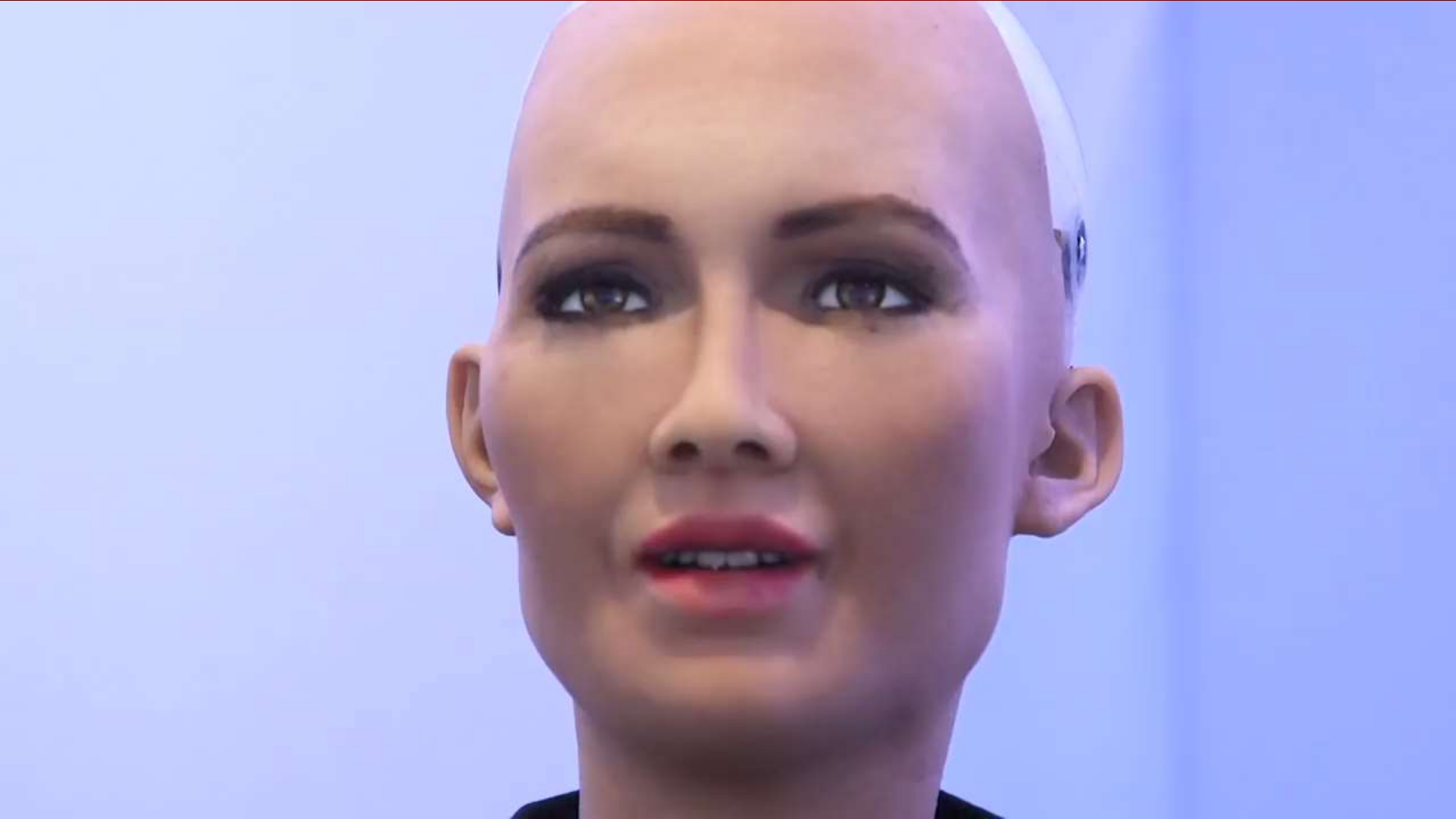




Chatbots

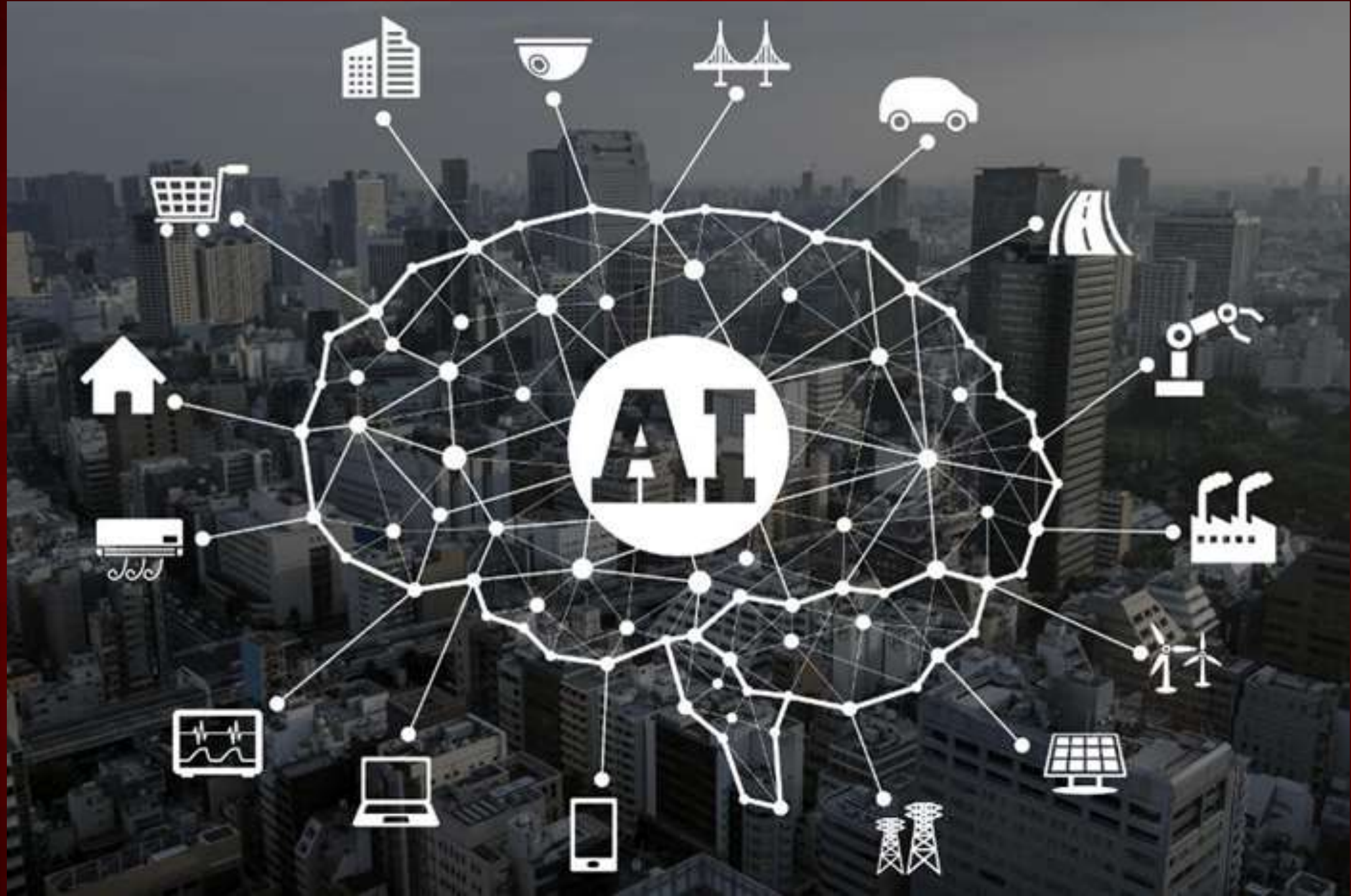
EXPECTATION OF EVERYTHING AVAILABLE ANYWHERE, ANYTIME





WHAT WILL COMPUTER INTERACTIONS LOOK LIKE

This is not a real person





A DOCTOR READS ABOUT A HALF
DOZEN MEDICAL RESEARCH PAPERS
IN A MONTH, WHEREAS AI CAN READ
HALF MILLION IN ABOUT 15 SECONDS.



ROSS

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[EVA](#)

[COVERAGE](#)

[ABOUT](#)

[BLOG](#)

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AI Meets Legal Research

ROSS is an advanced legal research tool that harnesses the power of artificial intelligence to make the research process more efficient.

[GET STARTED](#)

EDITOR'S PICK | 27,774 views | Jun 28, 2018, 11:51am

This AI Just Beat Human Doctors On A Clinical Exam



Parmy Olson Forbes Staff

AI, robotics and the digital transformation of European business.

f

🐦

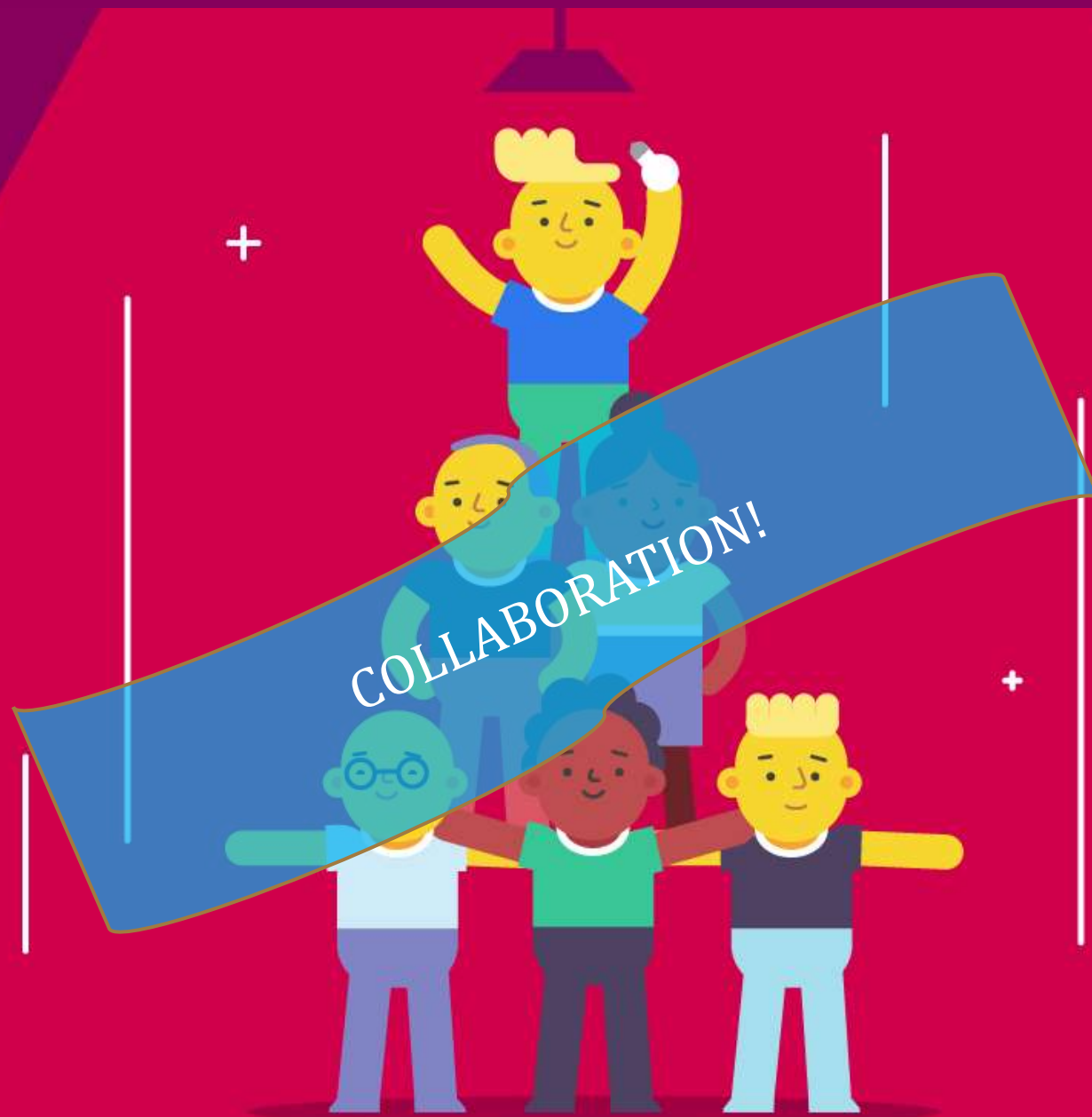
in



PREPARING TO ENTER THIS TECHNOLOGY FILLED WORLD

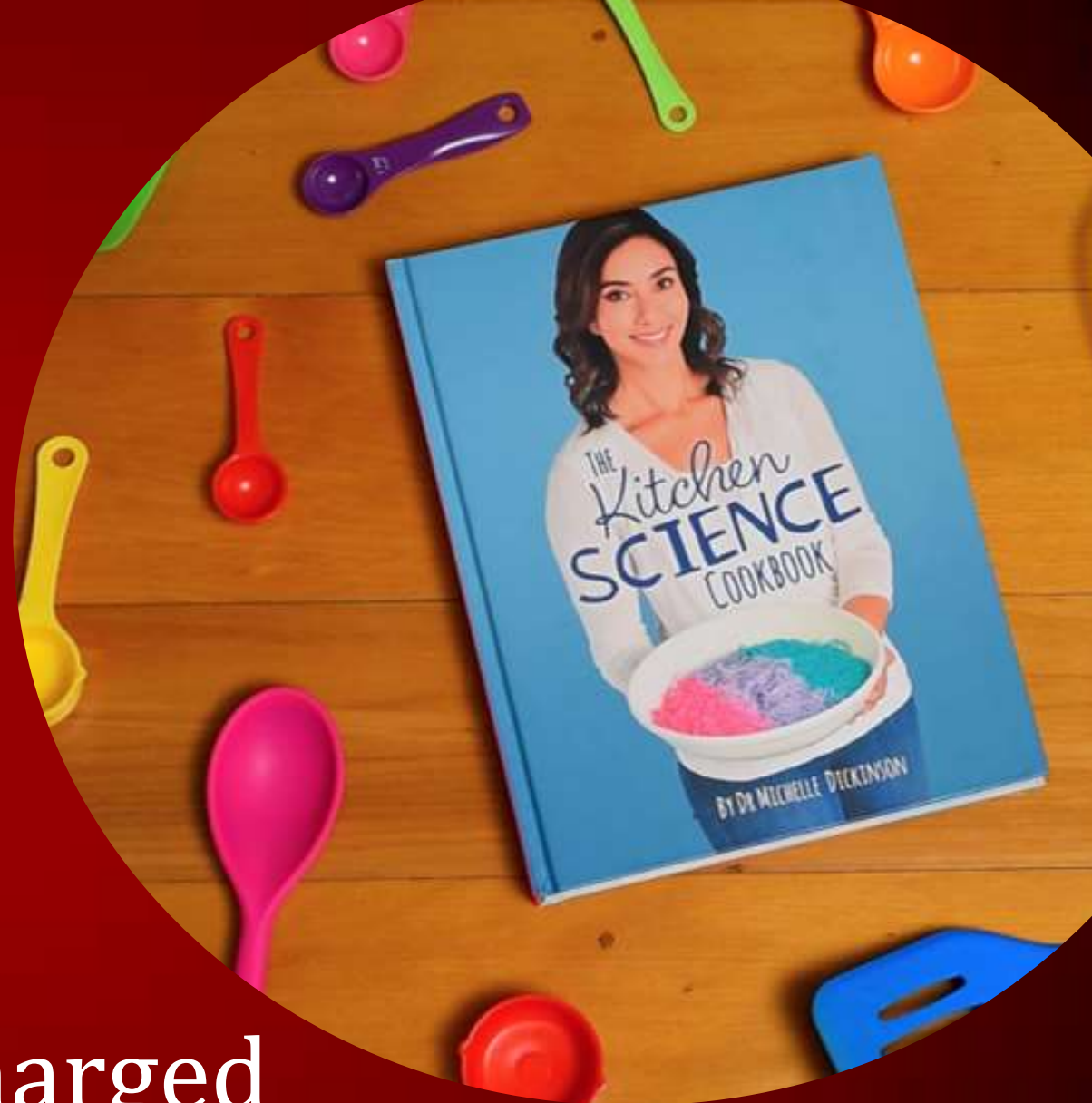


COMPETENCY BASED SKILLS



INNOVATION





No. 8 Re-charged Kitchen Science Cookbook



WHAT MAKES A
GREAT
INNOVATOR?

**INNOVATORS DRIVE
CHANGE IN THE
► WORLD THROUGH
CREATIVITY**

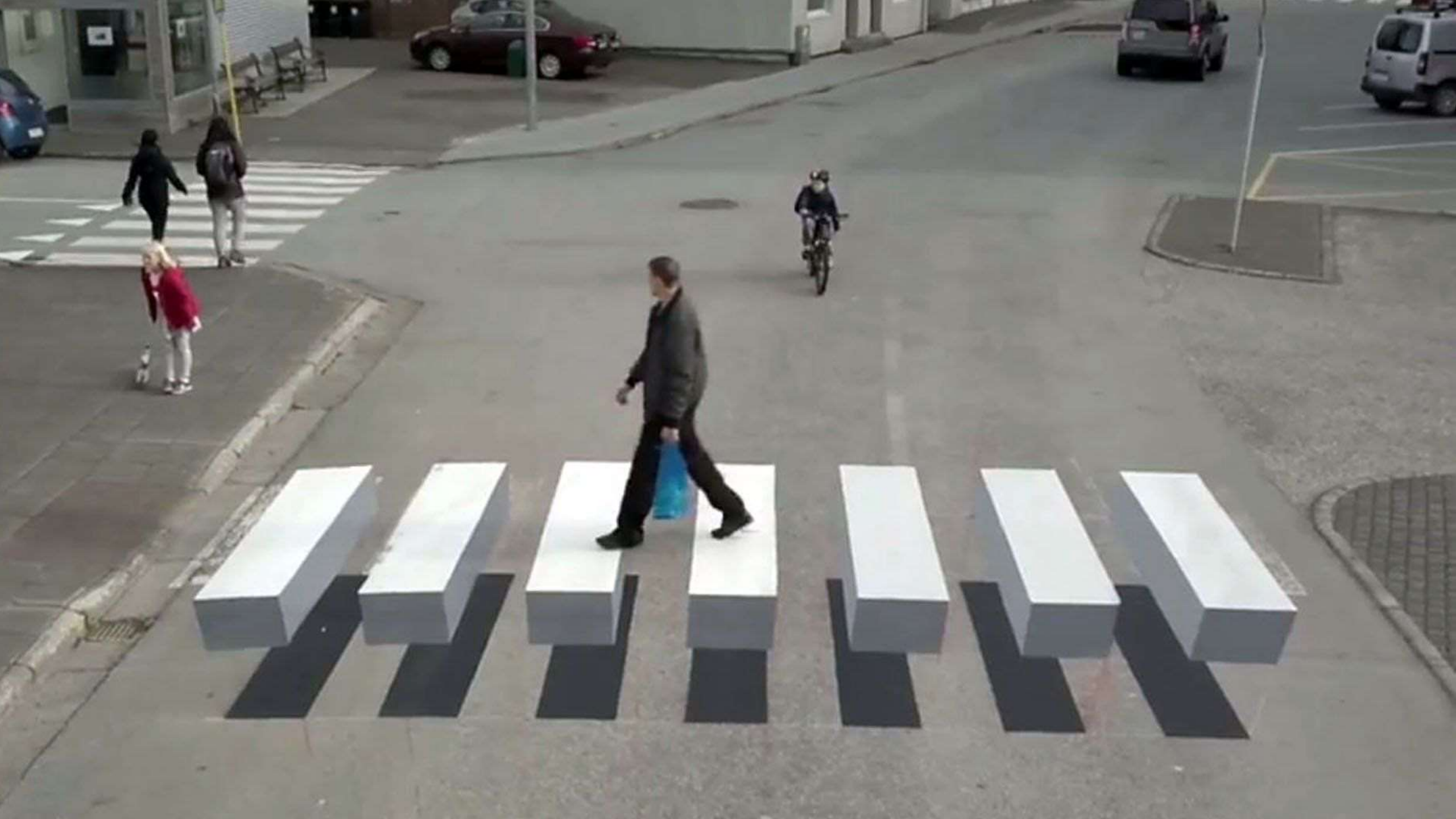


A hand holding a vibrant rainbow-colored umbrella stands out against a sea of black umbrellas. The scene is set against a dark, stormy sky with rain falling. The text "INNOVATION IS NOT SOMETHING THAT HAS TO HAPPEN TO US!" is overlaid on the left side of the image.

INNOVATION IS NOT
SOMETHING THAT HAS TO
HAPPEN TO US!

INNOVATORS SEE NORMAL THINGS IN
A DIFFERENT WAY





Uber did not kill the taxi business.



Limited access and fare control did.

Netflix did not kill blockbuster.

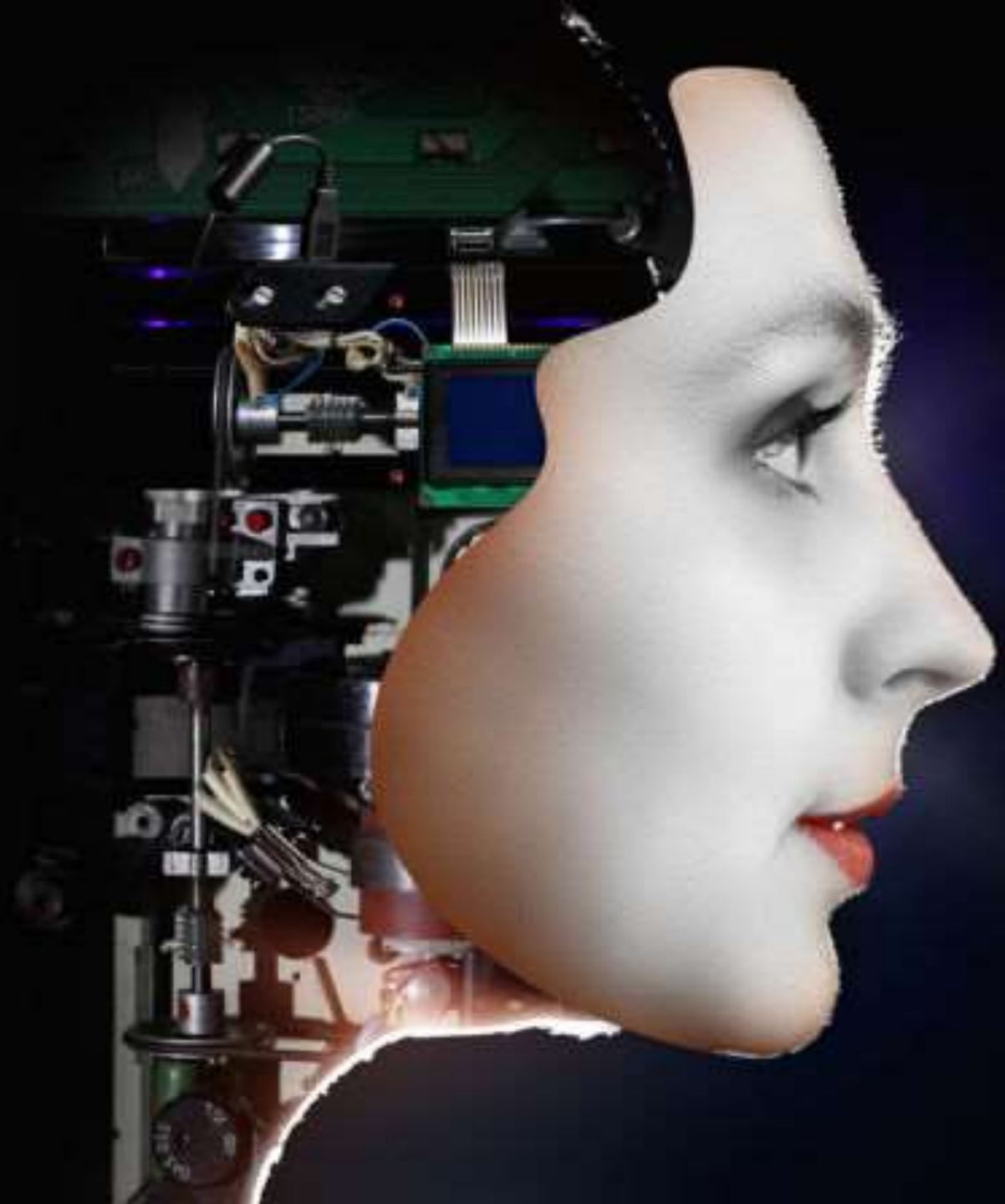


Ridiculous late fees did.

Apple did not kill the music industry.



Being forced to buy
full-length albums did



Knowledge comes from learning

Wisdom comes from living

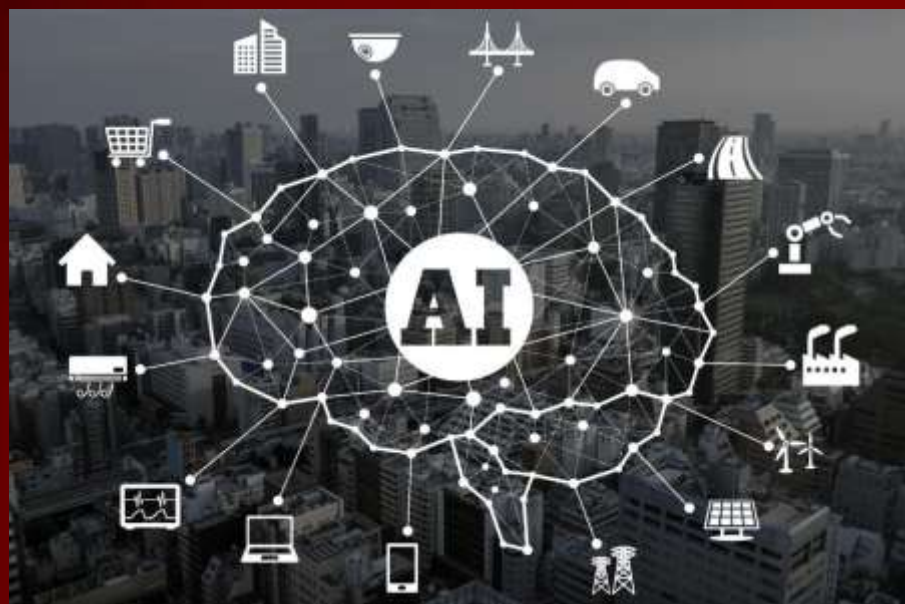
**Technology by itself is not the
disruptor.**

**Not being customer centric is the
biggest threat to business.**

WHO IS YOUR CUSTOMER?

WHAT FRUSTRATES YOUR CUSTOMER?

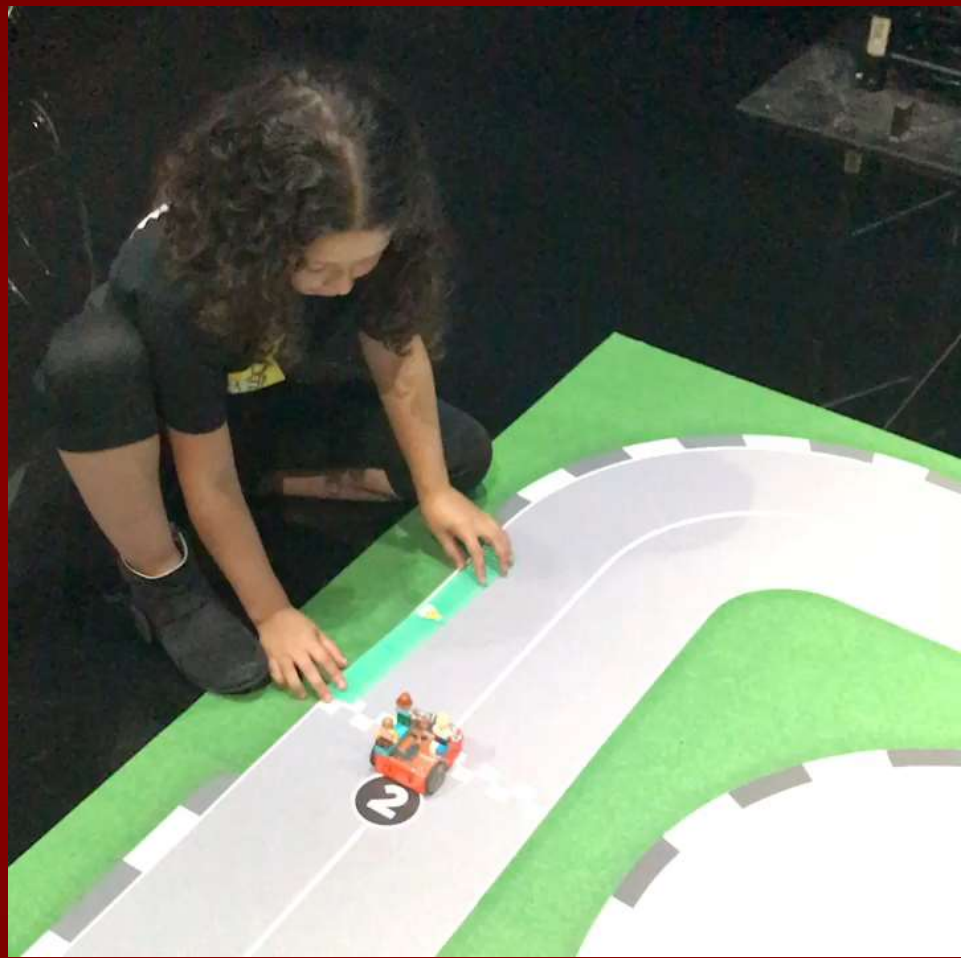
WHO IS THE WISEST PERSON IN THE ROOM
WHEN IT COMES TO YOUR CUSTOMER?













You Get To Help Create The Future (don't forget the donut)

Dr Michelle Dickinson
Co-Founder, CTO Nanogirl Labs



medickinson