

HOW DID YOU GET HERE?



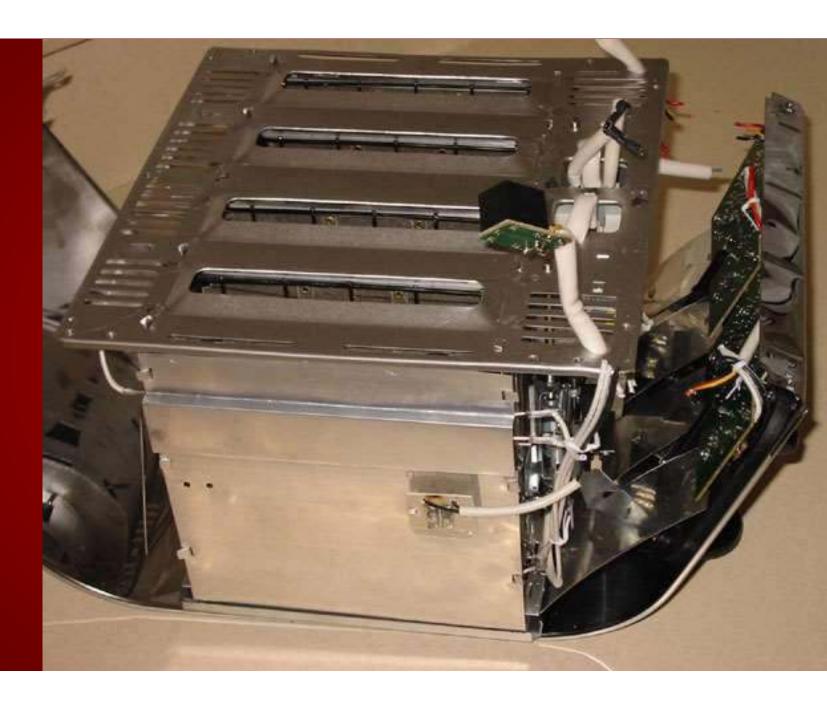


HOW DOES BREAD BECOME TOAST?





HEATING FILAMENTS!





Push cassette into box, cartoons appear!





Turning ferric oxide into pictures





HOW ARE LAPTOPS SO SMALL?







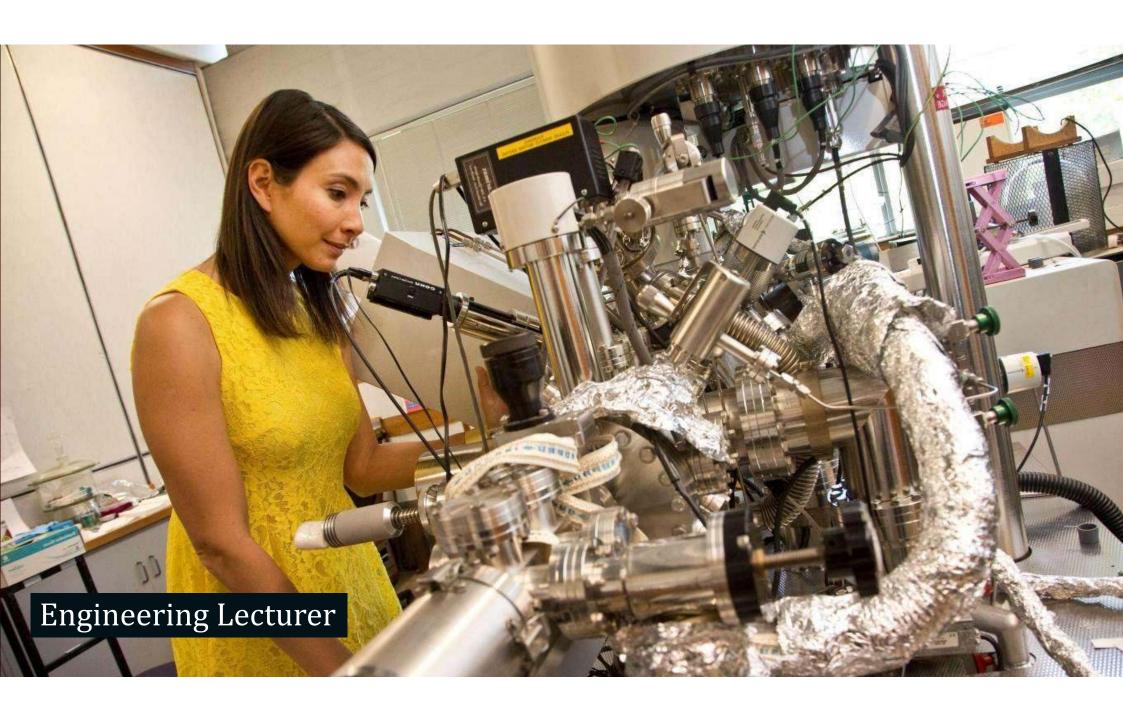
SOLID STATE HARD DRIVES!



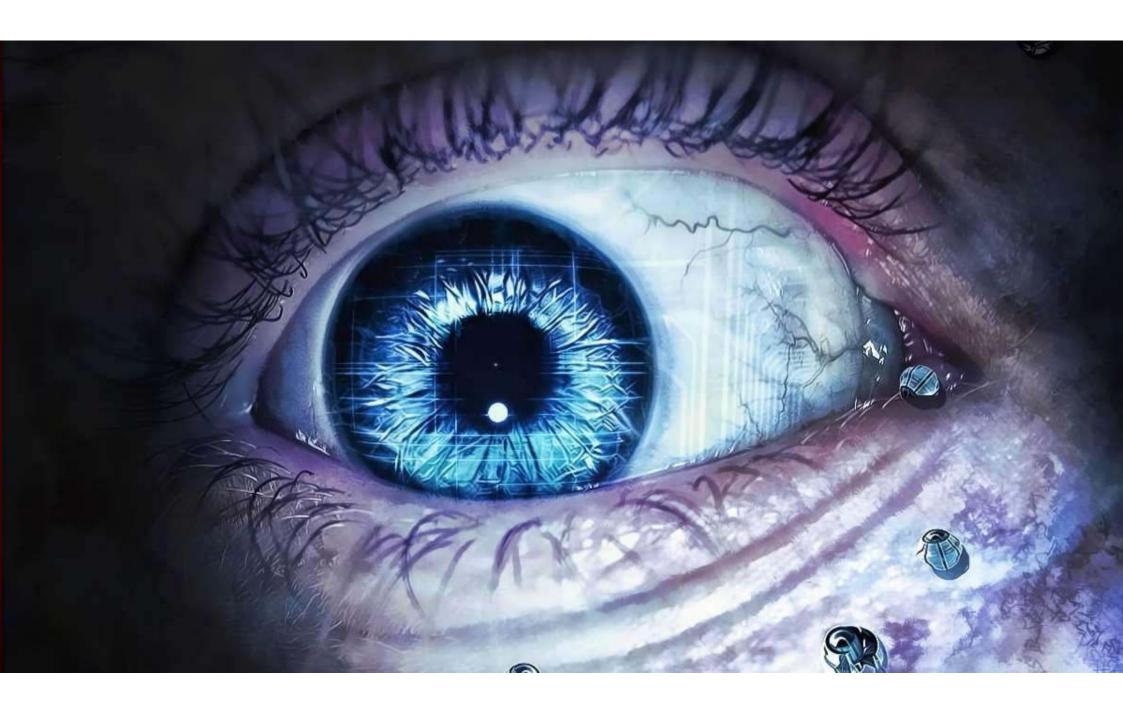
CURIOSITY AND TINKERING PROVIDE DEEP LEARNING EXPERIENCES

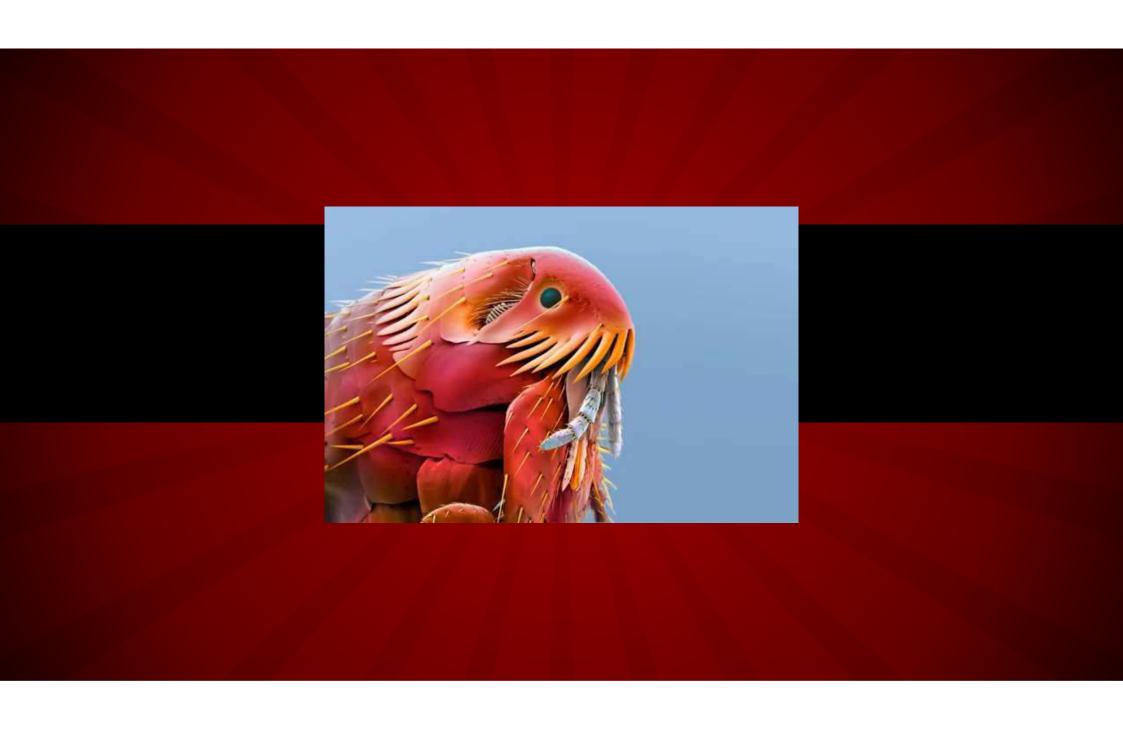
WHEN THINKING ABOUT EDUCATION WE NEED TO REMEMBER WHAT LEARNING MEANS TO US

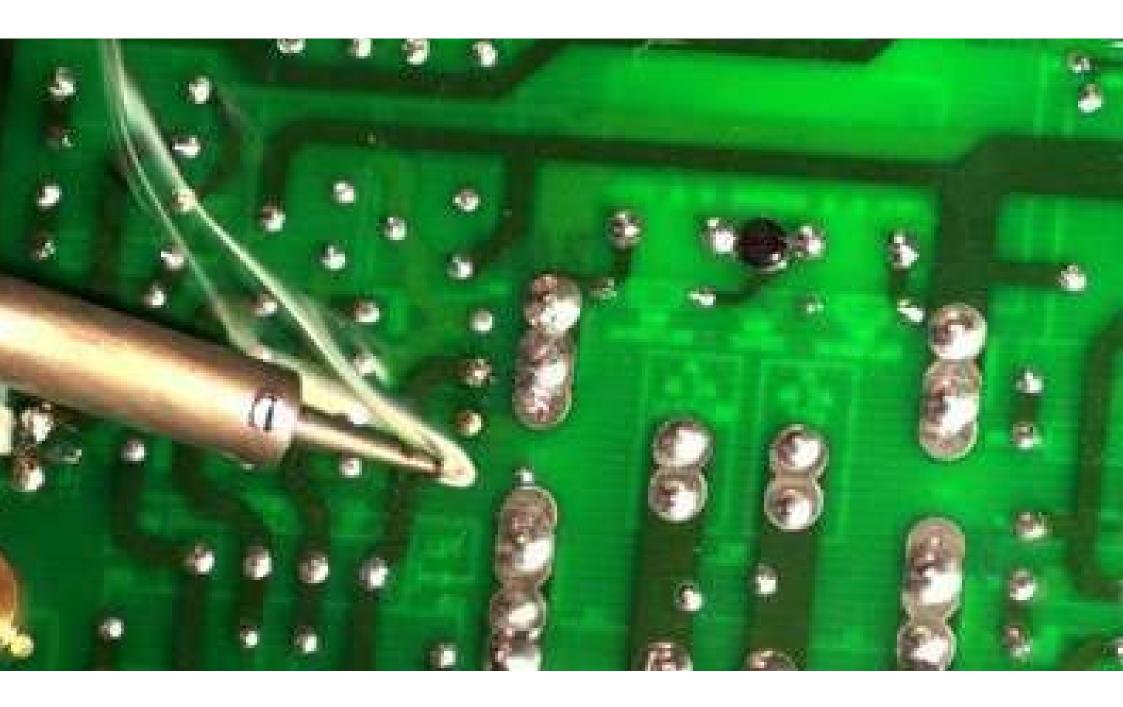












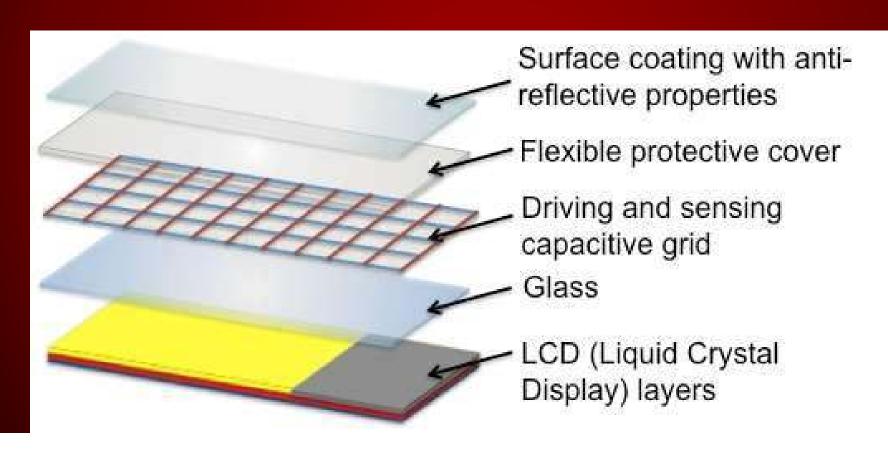






Touchscreens

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







Generalized Griffith-Irwin Concept



Equations (1)-(3) are proved experimentally and now present the linear fracture mechanics of materials (LFM).

$$K_{I}(p,l) \neq 0, K_{II}(p,l) \neq 0, K_{III}(p,l) \neq 0$$

Tension of the plate with the arbitrary oriented crack

$$\lim_{r\to 0} \sqrt{2\pi r} \sigma_{\theta\theta}(\alpha, p_*, r, \theta_*) = K_{\text{L}_2}$$

$$\lim_{r\to 0} \sqrt{2\pi r} \left\{ \frac{\partial \sigma_{\theta\theta}(\alpha, p, r, \theta)}{\partial \theta} \bigg|_{\theta=\theta_*} \right\} = 0,$$

where θ_{*} is the angle of the initial direction of crack growth

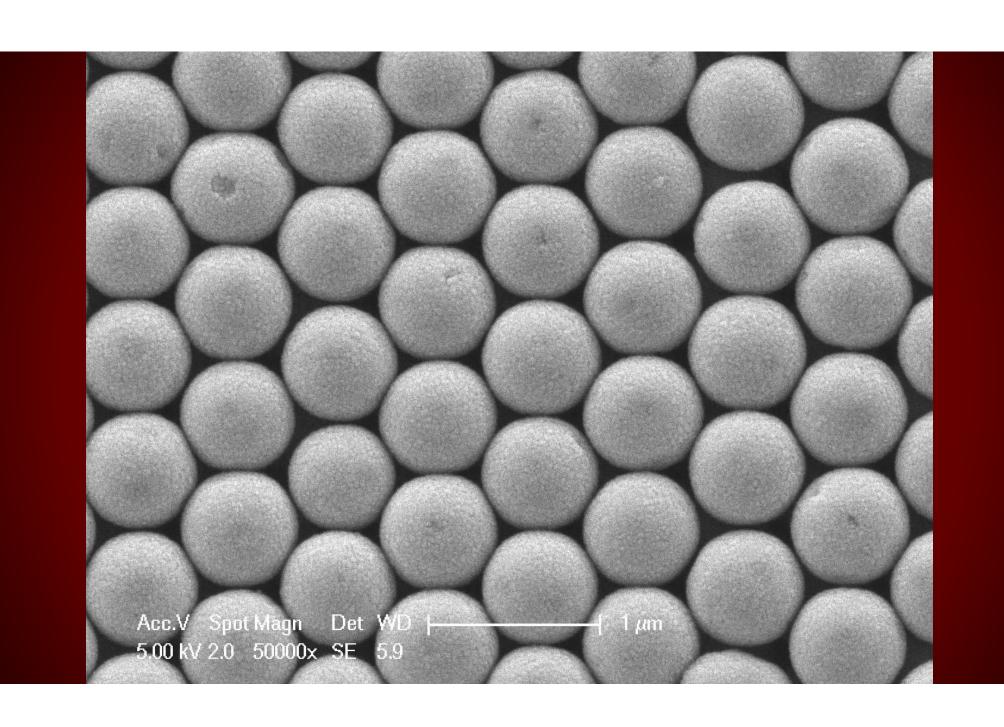
$$\cos^{3}\frac{\theta_{*}}{2}\left[K_{I0}(p_{*},\alpha,l)-3\lg\frac{\theta_{*}}{2}K_{II0}(p_{*},\alpha,l)\right]=K_{Ic},$$
 (1)

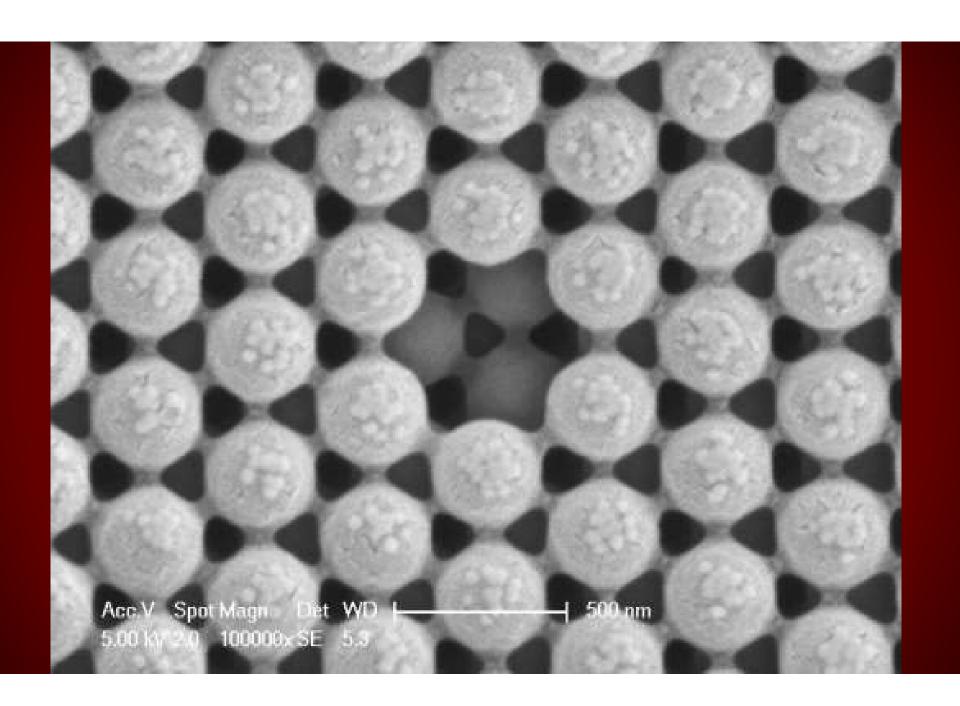
$$\theta_* = 2 \arctan \frac{K_{10} - \sqrt{K_{10}^2 + 8K_{110}^2}}{4K_{110}}, \quad K_{10} > 0, \quad K_{110} \neq 0,$$
 (2)

$$K_{10} = p\sqrt{\pi l}\sin^2\alpha, \quad K_{110} = p\sqrt{\pi l}\sin\alpha\cos\alpha \tag{3}$$

Equations (1) and (2) were generalized (0. Ye. Andreikiv et al) for the case $K_{\rm I0} \neq 0$, $K_{\rm II0} \neq 0$, $K_{\rm III0} \neq 0$







Generalized Griffith-Irwin Concept



Equations (1)-(3) are proved experimentally and now present the linear fracture mechanics of materials (LFM).

 $K_{I}(p,l) \neq 0$, $K_{II}(p,l) \neq 0$, $K_{III}(p,l) \neq 0$

Tension of the plate with the arbitrary oriented crack

$$\lim_{r\to 0} \sqrt{2\pi r} \sigma_{\theta\theta}(a, p_*, r, \theta_*) = K_{\text{L}_{2,}}$$

$$\lim_{r\to 0} \sqrt{2\pi r} \left\{ \frac{\partial \sigma_{\theta\theta}(\alpha, p, r, \theta)}{\partial \theta} \bigg|_{\theta=\theta_*} \right\} = 0,$$

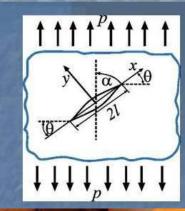
where θ_{\ast} is the angle of the initial direction of crack growth

$$\cos^{3}\frac{\theta_{*}}{2}\left[K_{10}(p_{*},\alpha,l)-3\lg\frac{\theta_{*}}{2}K_{10}(p_{*},\alpha,l)\right]=0$$

$$\theta_* = 2 \arctan \frac{K_{\rm I0} - \sqrt{K_{\rm I0}^2 + 8K_{\rm II0}^2}}{4K_{\rm II0}}, \quad K_{\rm I0} > 0,$$

$$K_{\text{IO}} = p\sqrt{\pi l}\sin^2\alpha$$
, $K_{\text{IIO}} = p\sqrt{\pi l}\sin\alpha\cos\alpha$

Equations (1) and (2) were generalized (0. Ye. Andreikiv et al) for the case $K_{10} \neq 0$, K_{11}







THE FUTURE OF TERTIARY EDUCATION



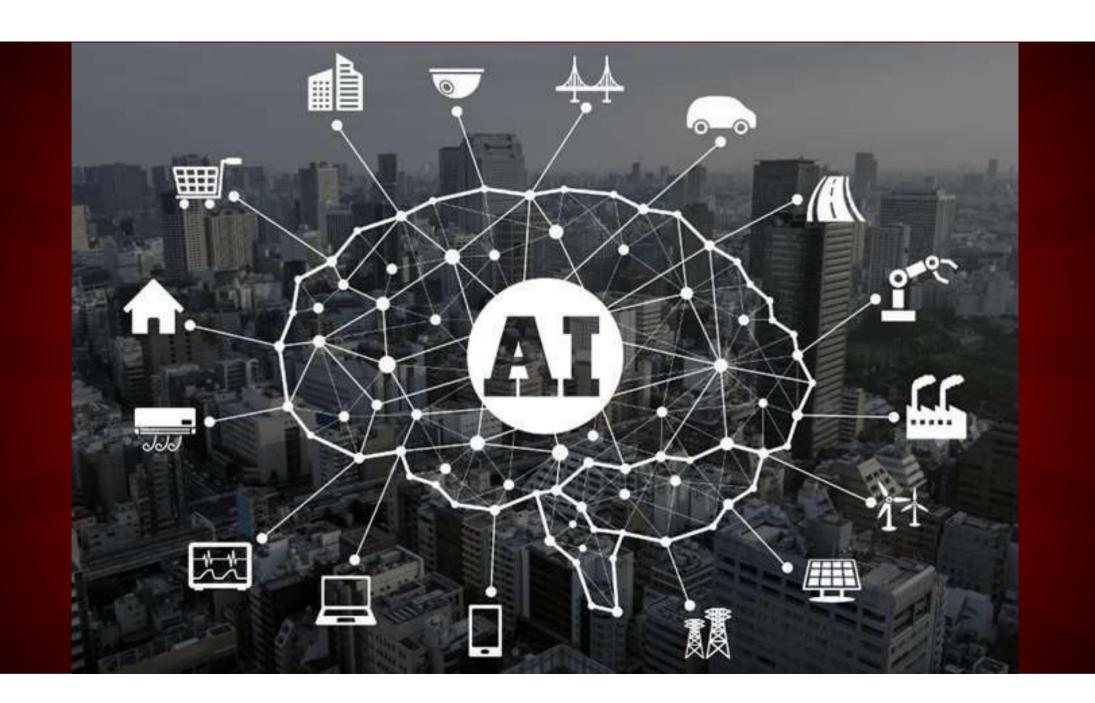
CAN WE CREATE HUMAN EXPERIENCES WITH DIGITAL TECHNOLOGY?

This is not a real person

THE FUTURE OF TECHNOLOGY IN TERTIARY EDUCATION









ROSS

WHAT IS ROSS?

EVA

COVERAGE

E .

ABOUT

WHITEPAPER

LOGIN

GET STARTED

Al 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

 $AI, robotics\ and\ the\ digital\ transformation\ of\ European\ business.$



COMPETENCY BASED LEARNING



EXPECTATION OF EVERYTHING AVAILABLE ANYWHERE, ANYTIME











WHAT MAKES INNOVATIVE PEOPLE TICK?

No. 8 Re-charged Kitchen Science Cookbook

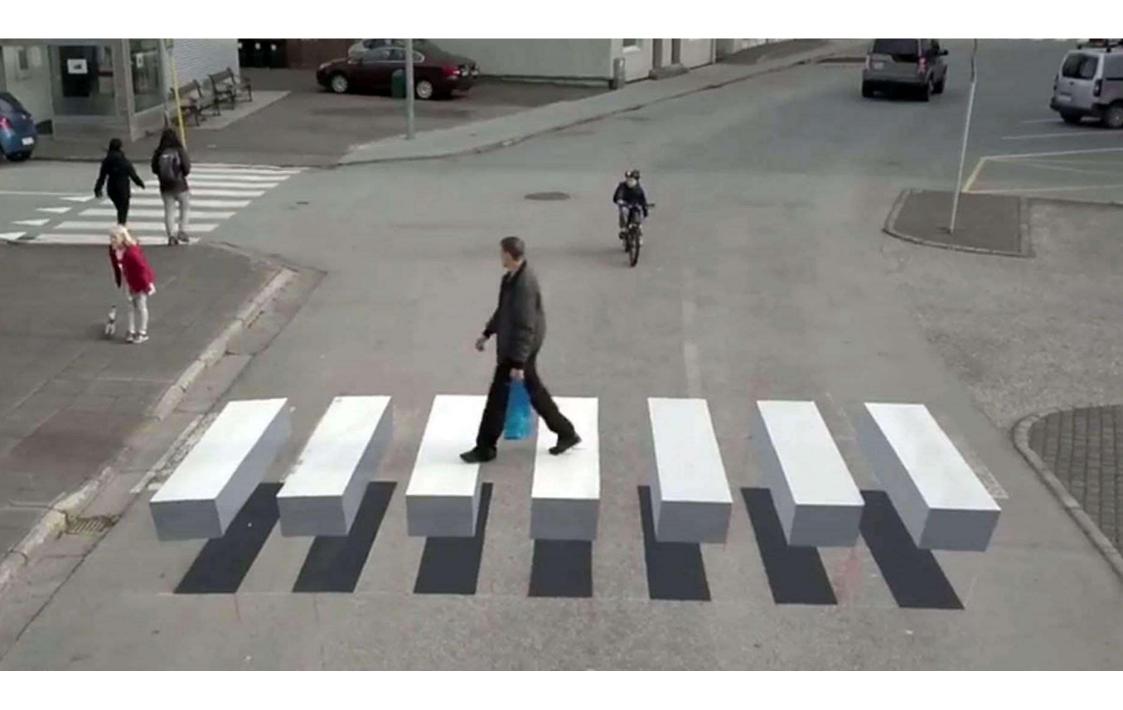
Innovators see normal things in a different way











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



Technology by itself is not the disruptor.

Not being customer centric is the biggest threat to business.



WHO IS YOUR CUSTOMER?

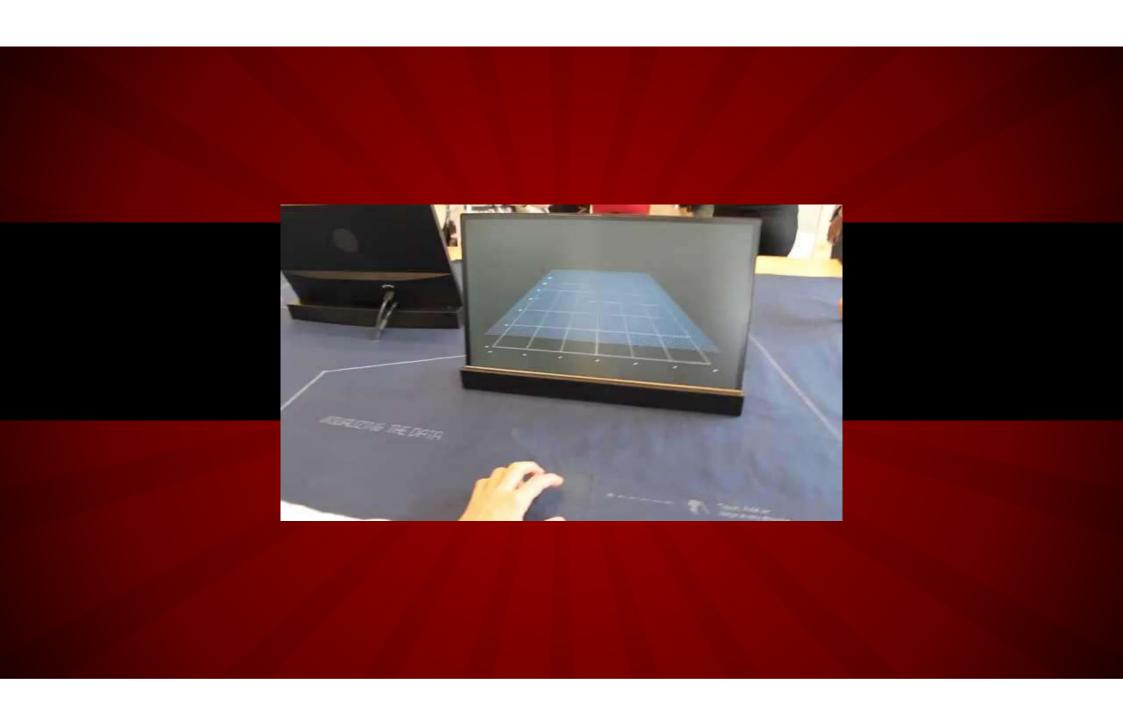


WHAT DEVICE DOES YOUR CUSTOMER USE?









August 05, 2015 - 12:44 PM - 3 mins 158 13% birds points calm

Death of touchpads



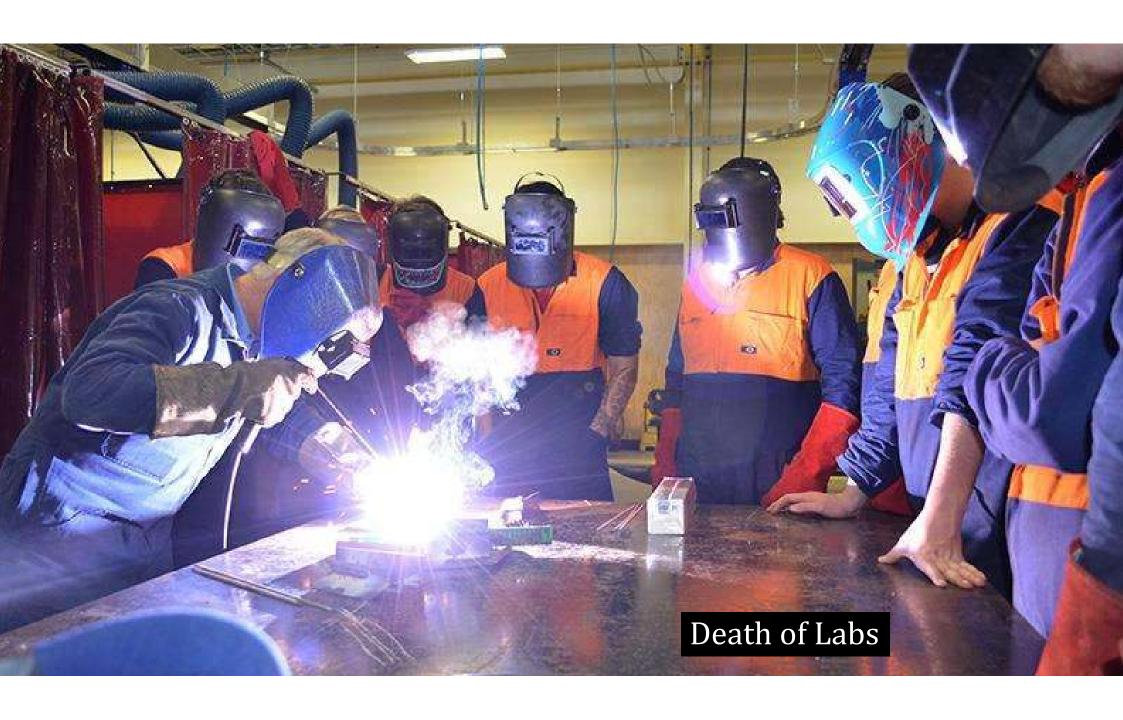




WHAT DOES TERTIARY EDUCATION LOOK LIKE?

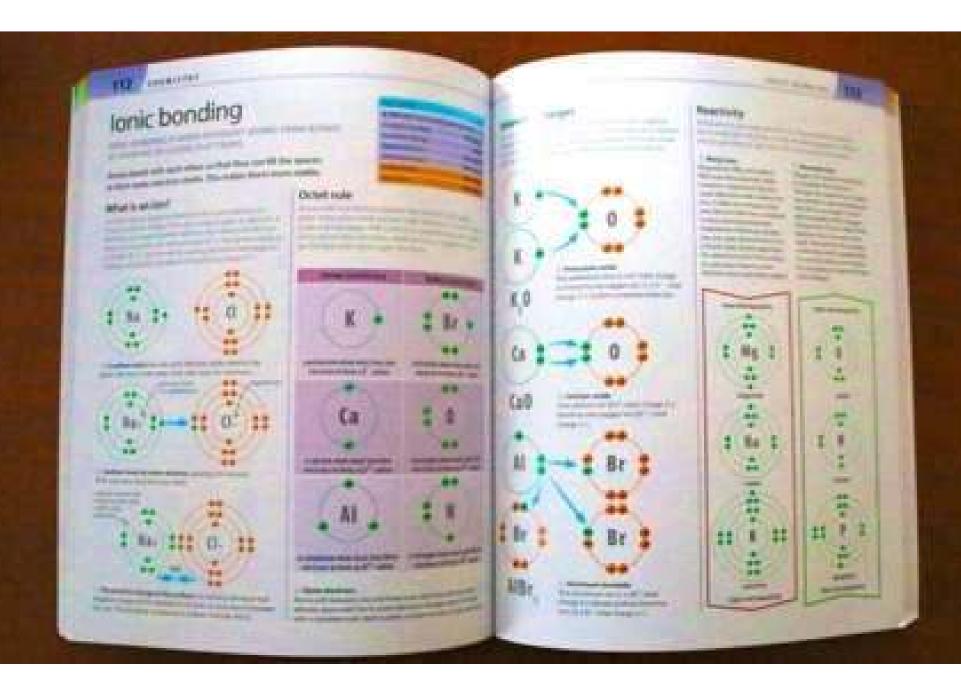






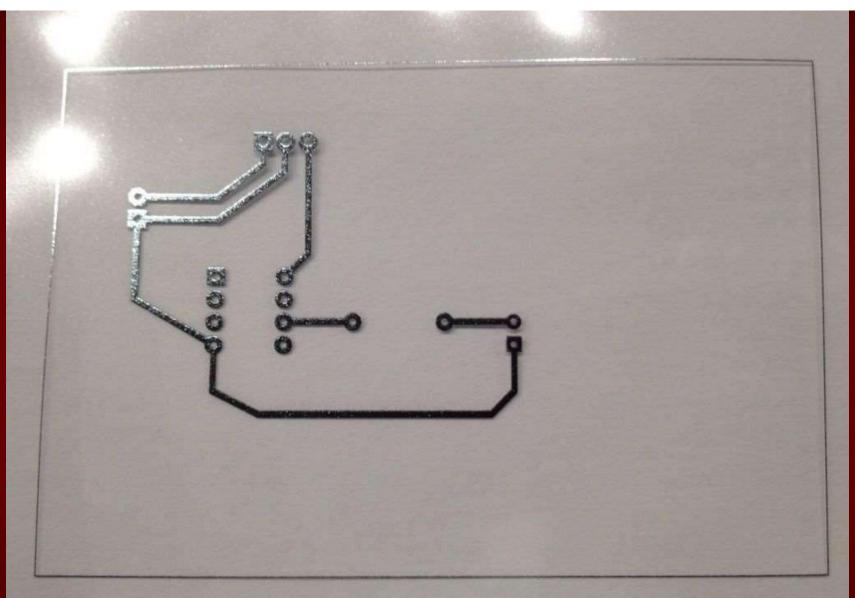






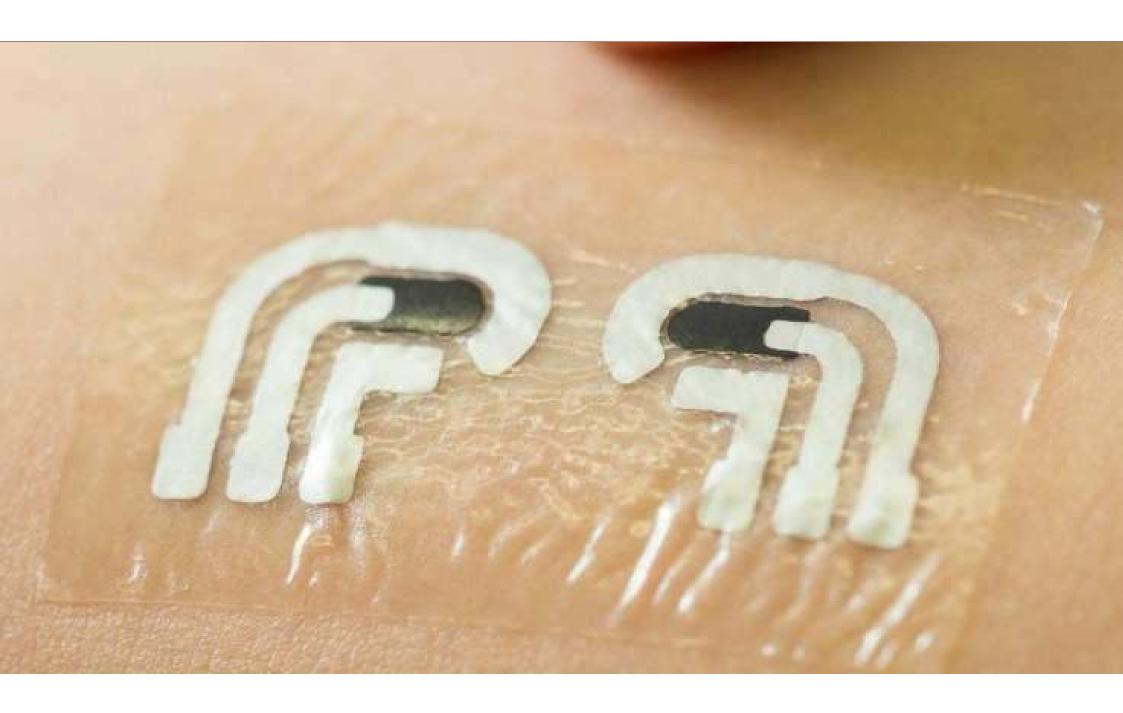


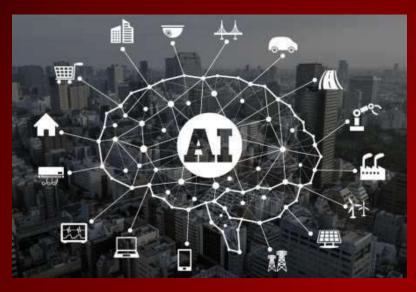


















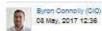




PER HOUR WEEKDAY PARKING

Curtin University in IoT rollout

University combining data visualisation, video analytics, and live face matching technologies















Curtin University is rolling out "internet-of-things (IoT) software and devices that will provide advanced data Insights to help with the daily running and usage of its large Perth campus.

The university is using an IoT solution, supplied by Hitachi, to advance its 'smart campus' deployment, which it said improves the student experience and classroom learning, and attracts industry to collaborate on data-driven research.

Curtin University is combining video data with operational data to better understand campus operations and building utilisation, which has become a major part of Curtin's smart campus Initiative, said Curtin chief operating officer, Ian Callahan. Curtin has more than 60,000 students and 4,000 staff

The university is integrating data visualization, video analytics, and tive face matching technologies in a single analytics dashboard that provides the real-time knowledge the university needs to make decisions about classes, operations, and future requirements.





Editor's Recommendation



Samsung Galaxy SS phone: full. in-depth review



Can more tech save Formula One from fan apathy?



When will the IT project madness



Ridley leads charge on 'Intelligen built environments' in digital age



Regaining trust after a digital

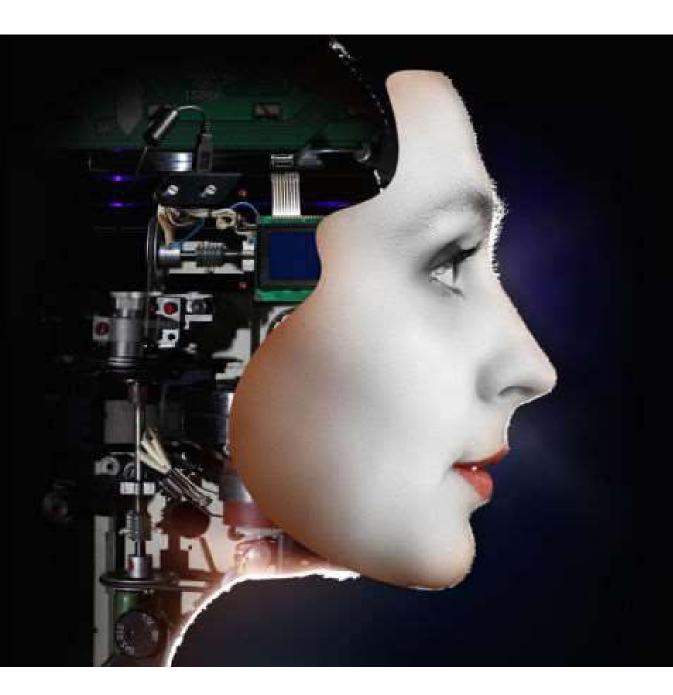


Tech dreams come true: Origin's Kelly Ferguson reveals personal









Knowledge comes from learning

Wisdom comes from living



CURIOSITY AND TINKERING PROVIDE DEEP LEARNING EXPERIENCES

KNOWLEDGE COMES FROM LEARNING WISDOM COMES FROM LIVING

CYOU CAN'T CONTROL WHAT OTHER PEOPLE DO WITH YOUR TECHNOLOGY









