IEEE Consumer Electronics Society

CES Download – Wearable and IoT

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IEEE
Advancing Technology for Humanity

CES 2019
Consumer Technology Association™
LAS VEGAS
JANUARY 08 - 11,2019

Disclosure

- Companies shown have no business relationships with me at the time the pictures were taken
- Comments made are views of me (Joseph Wei) and do not reflect IEEE or business entities that I am associated with
- These are only selective highlights
- I would be happy to provide a more detail talk including other hot tech companies, you may email me at joseph.wei@ieee.org

Steps I walked in 2018

Steps I walked in 2019

Over 180,000 attendess
4500+ exhibitors

Key Highlights (2018 vs 2019)

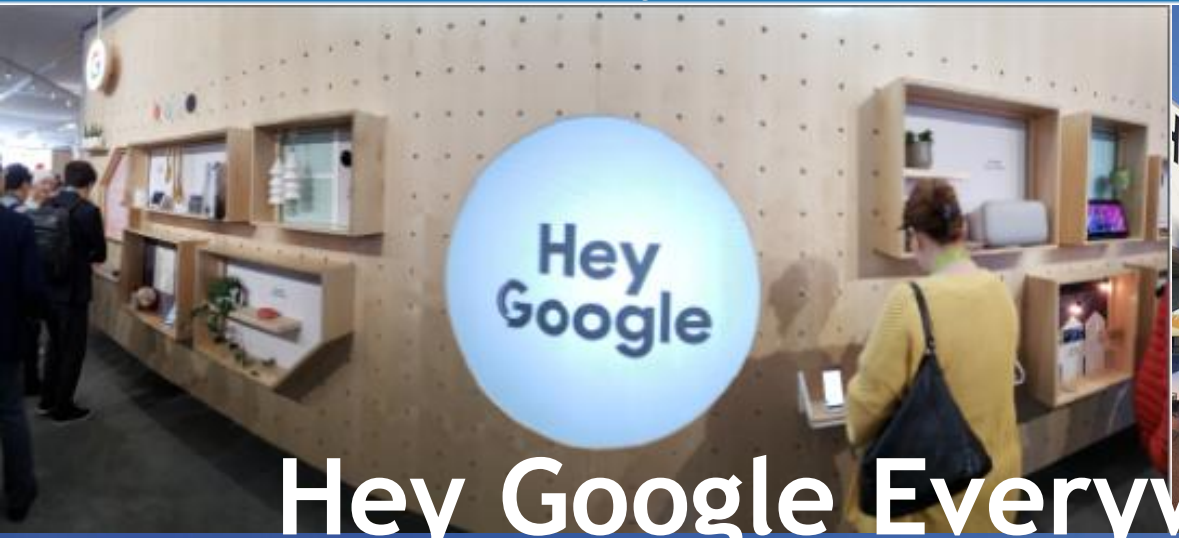
2018

- Cars, Cars, Cars… Smart, Self Driving
- IoT – Alexa vs. Hey Google
- Connected home devices everywhere
- Wearable – same old, same old with a few niche products

2019

- North Hall is now completely dedicated to cars, trucks and vehicle technologies
- Devices with AI/Machine Learning
- Service robots/vehicles
- IoT is still Alexa vs. Hey Google
- Wearable are more directed towards safety, health and fitness
- ***Automation will eliminate many low-skill labor jobs***

More than 100 million Alexa devices have been sold



Hey Google Everywhere

While Apple did not exhibit, its message is clear

INTEL OUTSIDE
?
C2-A

1st Time Exhibitor from China – JD.com

VIEW CART
421 CALORIES BURNED
FRIDAY 29th
139 BPM
WEARABLE TECHNOLOGY

EyeQue
One Device
Three Tests
Instant Results
PROFESSIONAL HOCKEY
TRAINING IN VIRTUAL
REALITY
SENSE
ARENA
SENSE
ARENA

DFree uses ultrasound sensor to monitor bladder

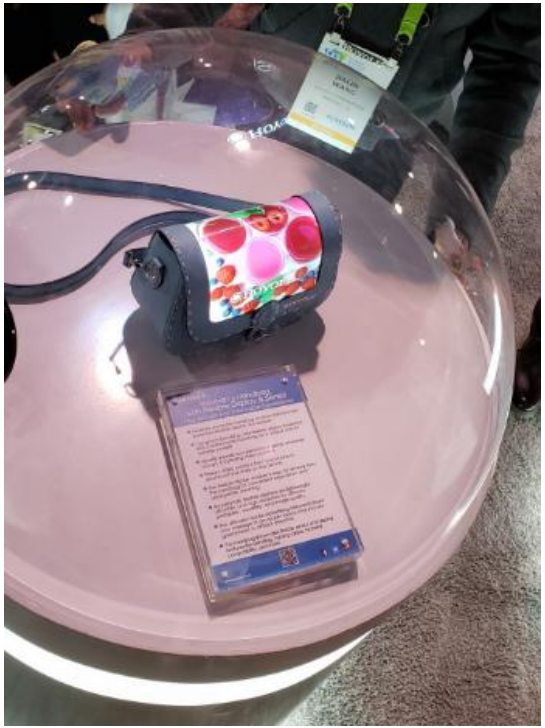
LIVALL
Redefine Your Safety

amazon dash
SHOEI
EyeLights
Works with Alexa
Alexa built-in

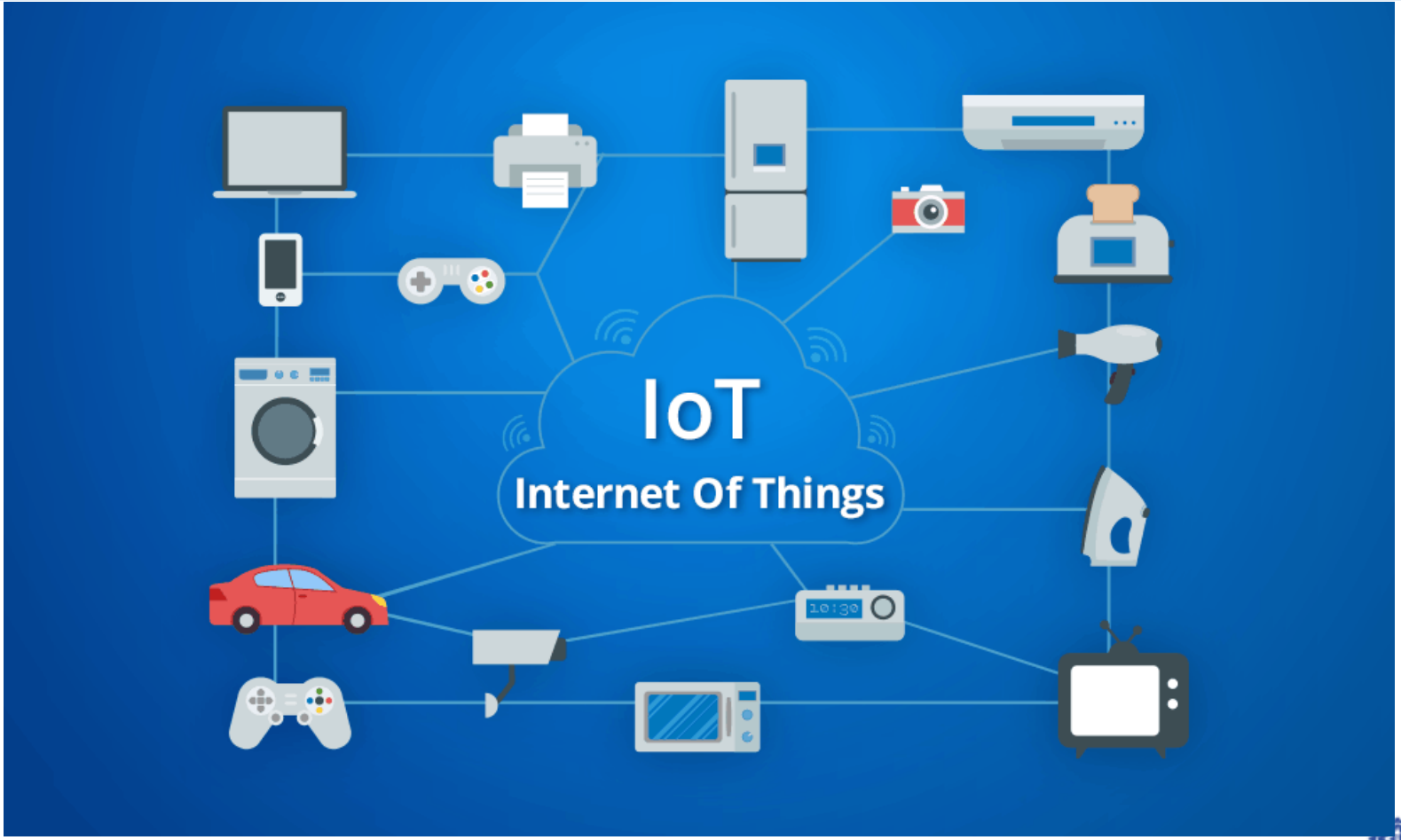
solutions
EYEKG
An Eyeglass ECG Device

Timekettle Earbud with Realtime Translation

Flexible Screens by Royole



Wearable Airbags


IoT
Internet Of Things

Lighting for Human Circadian Rhythm

Automated Bread-making Machine

Whill Autonomous Wheelchair

Applications: hospitals, airports, museums, malls, tradeshows…
Technologies: AI/ML with realtime control similar to autonomous vehicles

Rover Autonomous Caddy

- “Follow me” with autonomous driving
- Room for a few cold drinks
- Offer tips and advice (not yet, being developed)

Service Robots by LG, Metan and SLAMTEC

EARTHQUAKE
FedEx Office
PER 35°

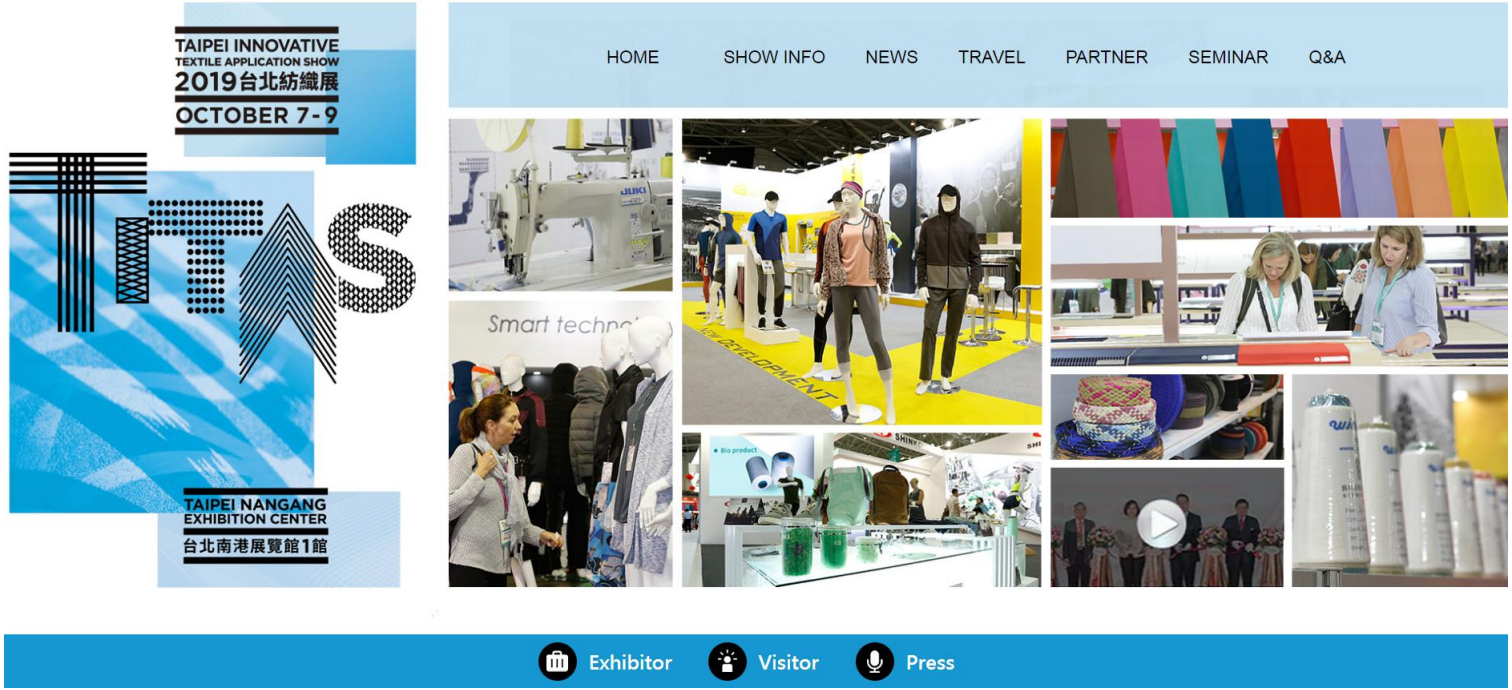
Drones for Human

Vuze XR Dual VR Camera VR180 & 360° IN 5.7k

INGREM
INGREM

Retro Pocket Handheld by Planet Computer

- Designed by the Psion team
- Listed for $499/599 with 4G on Indiegogo



Join my talk on E-Textile and smart wearable at TITAS (https://www.titas.tw/2019/cht/)

תודה
Dankie
Gracias
Спасибо
شكراً
Merci
Takk
Köszönjük
Terima kasih
Grazie
Dziękujemy
Dėkojame
Ďakujeme
Vielen Dank
Paldies
Täname teid
Kiitos
谢谢
Thank You
Tak
感謝您
Obrigado
Teşekkür Ederiz
감사합니다