CES Download – Wearable and IoT



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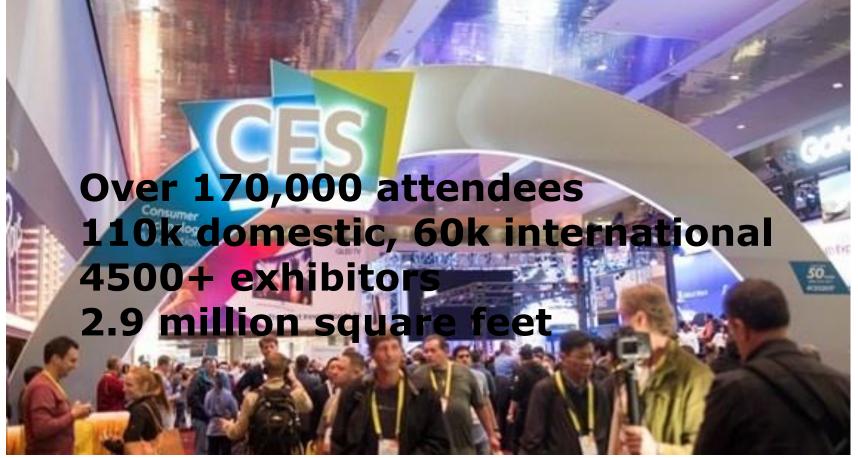




Disclosure

- 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



Steps I walked in 2020





Where is Intel at CES 2020?









Nextmind Wearable





https://www.next-mind.com/



Brain control by Brainco



https://www.brainco.tech/



Focus 1 Headband EEG headband

• Weight: 95g

• Operating temp: 32 - 104 F

• Battery Capacity: 400mAh

Battery Life: up to 4 hours

• Battery Charge Time: 1 - 1.5 hrs

• Wireless: IEEE 802.11 b/g/n 2.4Hz

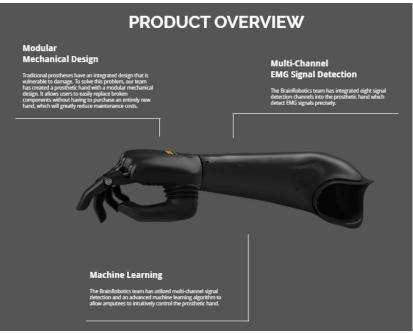
• Electrode Material: Hydrogel



EMG Prosthetics by BrainRobotics (Brainco)



https://www.brainrobotics.com/

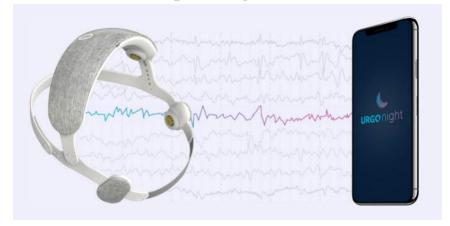






https://urgonight.com/

Urgonight wearable to help with sleeping with EEG







Sleep Mask by Lumina - using red light therapy



https://www.luminainnovations.com/



LifePlus Smartwatch - continuous glucose monitoring with light sensor



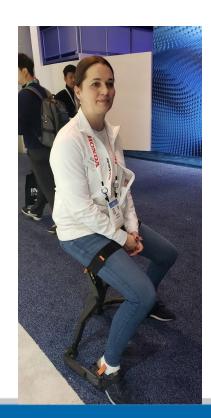


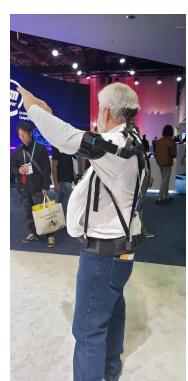
https://www.lifeplusinc.net/



Wearables from Honda for Workers









Remote brake by Stopskate







https://www.stopskate.com/

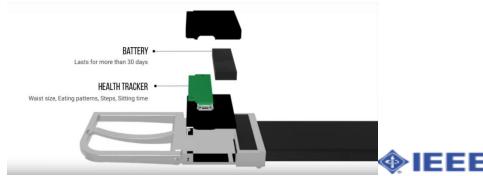


Smartbelt to for health tracking by Welt









Continuous Glucose Monitoring by LifePlus







https://www.lifeplusinc.net/



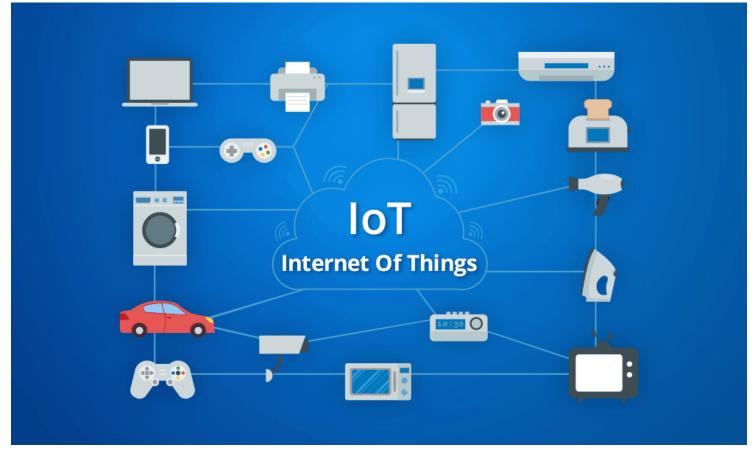
Smart Adult Underwear from Smardii





https://www.smardii.com/







Qi charging pad by Allsop

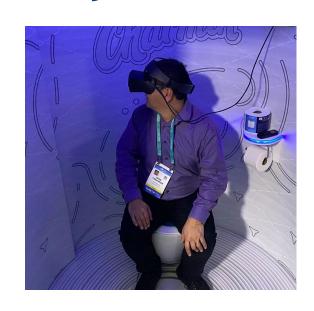




Smart Bathroom Accessories by P&G







Toilet paper robot

Smell Sense

VI Pee



Portable MRI by Hyperfine







General Anatomical Brain Imaging

- Stroke
- Headaches
- Non-specific muscle weakness
- Encephalopathy

https://www.hyperfine.io/



Resonado "Flat-core" speaker fits into tight spaces e.g. car doors, RVs, boats, etc

Image: Flat Core Speaker Driver Simplified Structure

Enabling new speaker form factors with advantages in size, weight, cost, and quality.

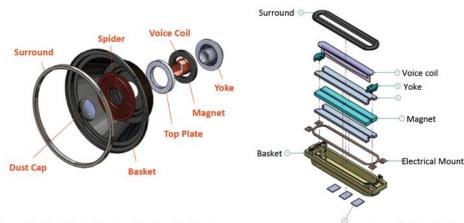


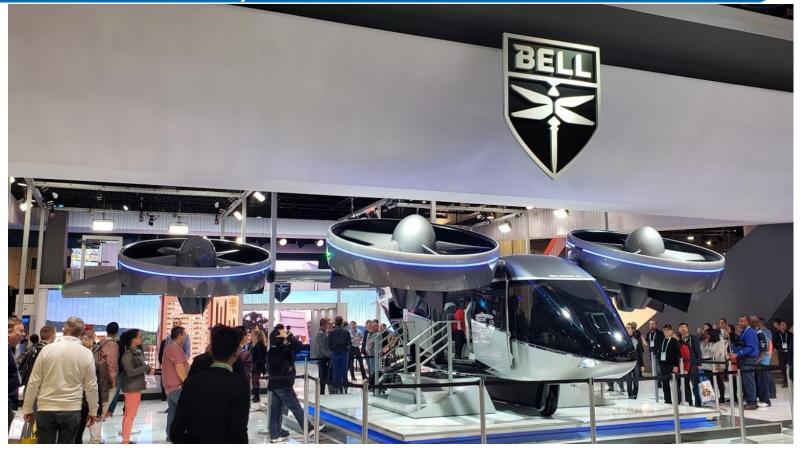


Image: Traditional Conical Speaker Driver Simplified Structure



















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