



Tech Insider Stories 13 January 2023

Story 1: BMW demonstrated color-changing concept car

Source: The Verge

Story by Patrick George

Link: <https://www.theverge.com/2023/1/5/23540358/bmw-color-changing-car-concept-ink-i-vision-dee-ces>



- Folks, you have to see the pictures and videos of this new car technology to believe it!
- A year ago, at the Consumer Electronics Show, BMW demonstrated a concept car they promoted as “the world’s first color-changing car” – but its technology could only shift between white, black, and gray.

- For this year's show, BMW displayed a prototype all-electric car that features a new full-color version of last year's technology that can, on demand, change into 32 colors.
- The concept car's body surface [including its wheel covers] is made up of 240 advanced film segments.
 - Each segment can be controlled individually.
 - You can have the entire exterior be one color or display a wild and amazing patchwork of multi-color segments.
- My personal take – this is really fun and very geeky – but a potential traffic distraction, or a nightmare for law enforcement. You could commit a crime, jump in your color changing car, and, as you speed away change your color, making identification challenging!

Story 2: Samsung shows off an oven run by artificial intelligence

Source: CNET

Story by David Anders

Link: <https://www.msn.com/en-us/lifestyle/shopping/new-samsung-ai-oven-has-an-internal-camera-and-warns-you-when-food-is-about-to-burn/ar-AA15Wgx3>



- We all know that opening an oven door to inspect, for example, a pie or casserole, allows a lot of heat to escape wasting lots of energy.
- Samsung's new Artificial Intelligence Wall Oven offers technology to avoid this, and much more!
 - The oven features an artificial intelligence system which can recognize up to 80 dishes and recommend the appropriate temperature, time, and mode for cooking.
 - And to reduce opening the door the oven has a built-in camera and includes a smartphone app.
 - The oven can send live video and notifications to your phone to track cooking progress or alert you if your food is burning.
- The Samsung Artificial Intelligence Oven is available in Europe now and will launch in North America in the third quarter of this year.
 - Based on the current price in Europe, it'll cost about \$3,000!



Story 3: John Deere Unveils Electric Excavator at the Consumer Electronics Show

Source: ForConstructionPros.com

Story by Gigi Wood

Link: <https://tinyurl.com/4wadx9jh>

Source: Bloomberg News

Story by Joe Deaux

Link: <https://financialpost.com/pmnbusiness-pmn/deere-jumps-into-electric-excavators-in-tech-transformation>



- A truly unexpected surprise at last week's Consumer Electronics Show was John Deere's new all-electric excavator - hardly the kind of thing I'd associate with "consumer electronics" – but a real turn on for construction geeks!
- The John Deere team said the goal behind the development of the electric excavator is to reduce operating costs and noise, while also producing zero emissions.
- The company said the electric version won't sacrifice any power or performance but did not give details about availability, pricing, or how often the machine will need to recharge or how long it will take.

Story 4: New head cushion allows computer gamers to “feel” the game

Source: Mashable.com

Story by Alex Perry

Link: <https://mashable.com/article/razer-project-carol-gaming-chair-head-cushion-ces-2023>



- At last week's show Razer, a popular computer gaming peripheral brand, showed a really innovative head cushion that can be attached to the top of sophisticated chairs designed for PC gamers.
- The head cushion outputs advanced rear audio as well as haptic feedback that responds to the action in whatever game you're playing.
 - Haptic feedback that refers to technology that creates a sense of touch through vibration or other means.
- The high-tech head cushion emulates 7.1 surround sound, and the haptics are powered by Razer's "HyperSense" technology.
- Razer claims the head cushion will fit any gaming chair and connects wirelessly to a PC.
- Razer did not disclose any price or availability details.

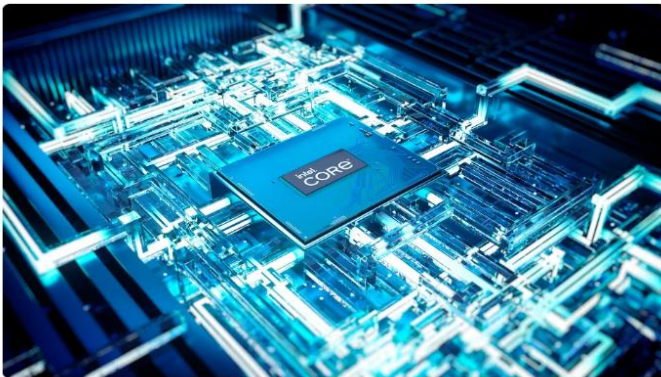


Story 5: Intel debuted the world's fastest processor for laptops

Source: Yahoo! Finance

Story by Daniel Howley

Link: <https://finance.yahoo.com/news/intel-debuts-worlds-fastest-mobile-processor-at-ces-2023-140008461.html>



intel says its new HX chip is the fastest mobile processor in the world. (Image: Intel)

- At the Consumer Electronics Show Intel showed off its 13th-generation Intel Core microprocessor which sets a new industry speed record for laptops thanks to its 24 cores.
 - More about what a core is in a moment...
 - The new Core i9 processor includes 8 performance cores for heavy duty tasks like gaming and 14 efficiency cores for routine activities like web browsing.
- Okay, so what is a “core”?

- A core, or Central Processing Unit, is the "brain" of a microprocessor. It receives instructions, and performs calculations, or operations, to implement those instructions.
- Intel's first processor with two cores [or brains] was the Pentium D launched in 2005.
- 18 years later this achievement by Intel is so exciting as it means that your next laptop could have 24 brains to divide and conquer a host of tasks at blinding speeds! And yesterday they announced a desktop version!