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Scientists Invent Micro-Windmills That Could Charge Your Smartphone

Posted 3 weeks ago by Staff · Tech · 2795 Views

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Scientists working at the University of Texas Arlington have managed to develop tiny micro-windmills which measure just 1.8mm in width, meaning you could fit about 10 of them on a single grain of rice. According to researcher J.C. Chiao, if you were to stick a hundred of them to a smartphone case and hold it in the wind, it could charge your smartphone in just a few minutes.

Build using flexible nickel alloy components, the windmills are also surprisingly resistant and can stand up to strong winds without fracturing.

Apparently a Taiwanese fabrication foundry called WinMEMS has already arranged to have the exclusive rights

MAGAZINE · STORE

"These inventions are essential to build micro-robots that can be used as surgical tools, sensing machines to explore disaster zones or manufacturing tools to assemble micro-machines," UTA says. "Flat panels with thousand of windmills could be made and mounted on the walls of houses or building to harvest energy for lighting, security or environmental sensing and wireless communication."

Tags: [smartphone](#) [renewable energy](#)

Source: [Engadget](#)

SCIENCE, BITCH!

- Posted 3 weeks ago · 13

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so, a hundred ant windmills can charge my phone in a few minutes, but the mains takes about an hour... really?

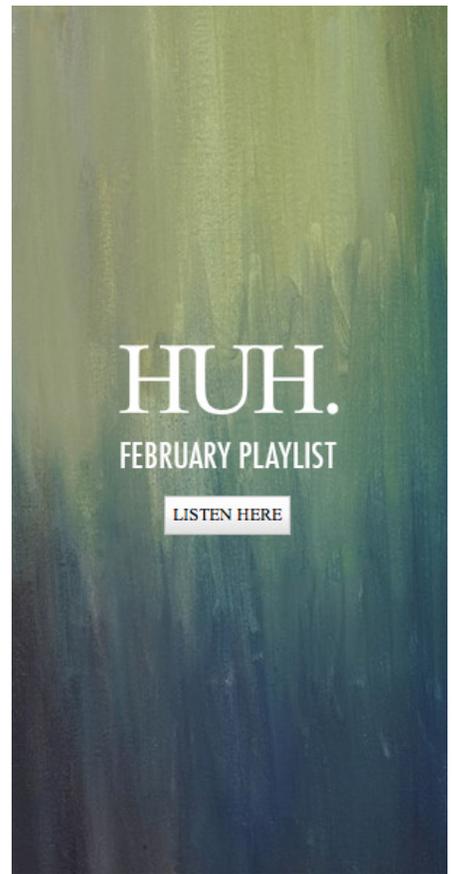
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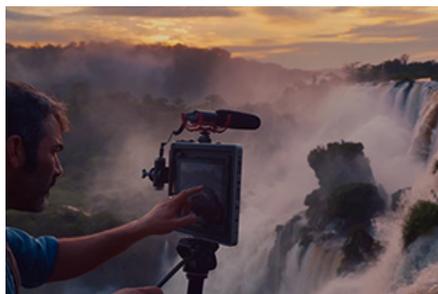
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ACTOR PETER MAYHEW UNVEILS BEHIND-THE-SCENES STAR WARS PHOTOS

3 Weeks Ago · Film · 3 Comments · 4379 Views

As I'm sure the vehement Star Wars fans out there will already know, actor Peter Mayhew (who played Chewbacca) has released a collection of behind-the-scenes...



VIDEO: APPLE'S LATEST IPAD AIR COMMERCIAL WITH ROBIN WILLIAMS NARRATION

3 Weeks Ago · Tech · 6 Comments · 4195 Views

For their latest iPad Air commercial, Apple have repurposed actor Robin Williams' speech from Peter Weir's 1989 film Dead Poet's Society to infer that...



LOFT APARTMENT WITH HIDDEN FURNITURE AND STORAGE

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RUMOUR: QUENTIN TARANTINO'S NEW FILM NAMED THE HATEFUL EIGHT

3 Weeks Ago · Film · 0 Comments · 1849 Views

According to Deadline, the working title to Quentin Tarantino's unrelated Django Unchained follow up western is The Hateful Eight. They also reported...



CAFÉ KITSUNE OPENING IN PARIS

3 Weeks Ago · Culture · 0 Comments · 1543 Views

Following from the success of their café in Tokyo, which opened last year, French company Kitsuné have announced that they are opening another in their hometown of Paris. The chain of cafés compliment the brand's clothing line and record label, becoming a hub for all of the company's...

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