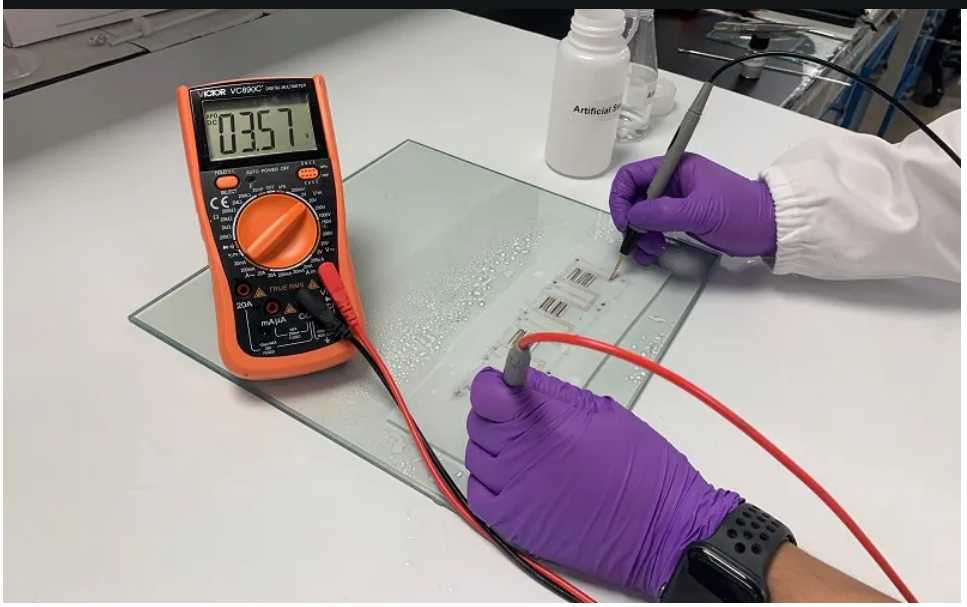
NTU DEVELOPS STRETCHABLE SWEAT-POWERED BATTERY

Written by Joe Teh / on August 16, 2021

What do you think about a stretchable battery that is powered by sweat? This might seem impossible but scientists in NTU (Nanyang Technological University, Singapore) have managed to make it work.

Basically, it is using the content in the sweat to mix with the printed silver flake electrodes to generate electricity (Chemical Reaction). Check out this video to understand more.

And here is a picture to prove that it can generate electricity.



They have published a Paper on it. Check it out on the links below.

- Paper titled '***Printable elastomeric electrodes with sweat-enhanced conductivity for wearables***' published in *Science Advances*, 14 July, 2021, 8433.
- **https://doi.org/10.1126/sciadv.abg8433**

Given the high humidity in Singapore, this type of stretchable "sweat battery" will be ideal here. I sweat buckets when doing a run in Singapore. If my sweat can power some electronics, why not?

Hope that such technology can be commercialized soon. Check out the Press Release for more information.

Press Release

NTU Singapore scientists develop a stretchable