



Haleh Ardebili

Assistant Professor of
Mechanical
Engineering, CoE

hardebili@uh.edu

713-743-5562

Available:

Grad Student:

Stretchable and Multifunctional Batteries

Non-Provisional Patent Application: 14/671,812

UHID: 2014-022

Technology Description: The inventor has designed a stretchable thin-film battery that is multifunctional. It can provide simultaneous energy storage and mechanical functionalities.

Potential Applications: The stretchable battery can be generally used in stretchable and flexible applications. Specifically, it can be embedded in clothing, textiles, integrated with stretchable/flexible electronics, used with medical implants, wrapped around the wrist or attached to the skin.

Time to market: About one year.

No existing partners.

***3 Postdocs**

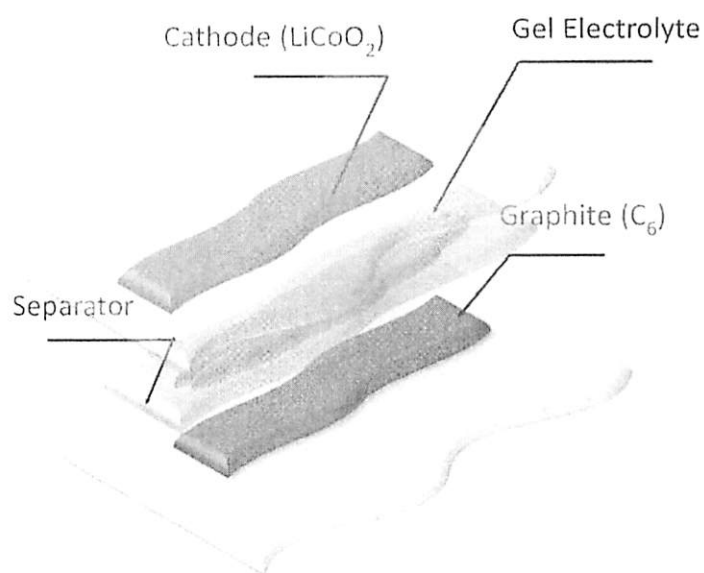


Figure 1: Stretchable Battery with Sliding Mechanism