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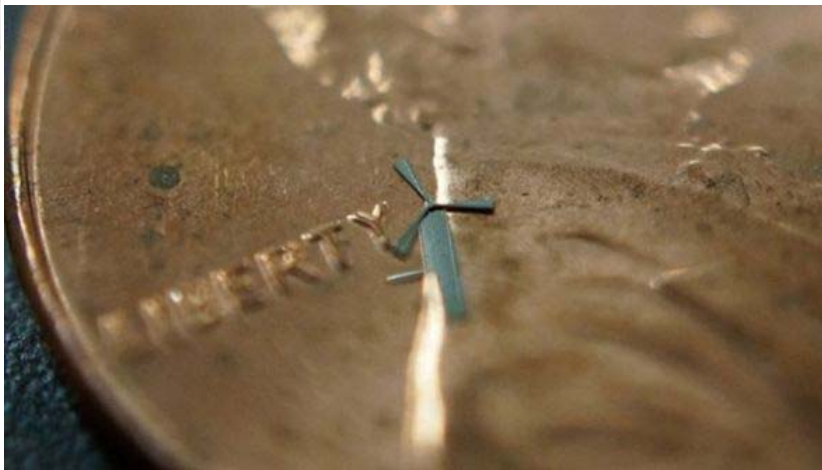
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MINIATURE WINDMILL GENERATING WIND ENERGY

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Researchers have designed a **micro-windmill** that **generates wind energy**. This may become an innovative solution to cell phone batteries constantly in need of recharging.

Smitha Rao and J.-C. Chiao from **UT Arlington** research associate and electrical engineering, designed and built the device that is about 1.8 mm at its widest point.



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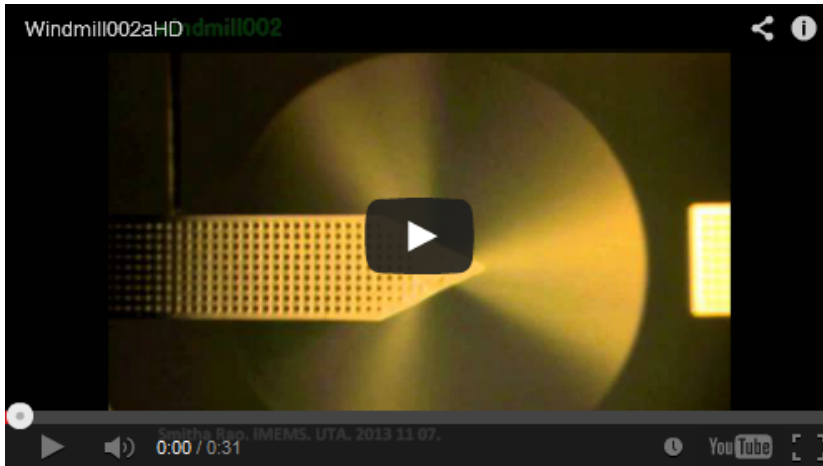
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A single grain of rice could hold about 10 of these tiny windmills.



Wind, created by waving the cell phone in air or holding it up to an open window on a windy day, would generate the electricity that could be collected by the cell phone's battery. Hundreds of the windmills could be embedded in a sleeve for a cell phone.



Rao said:



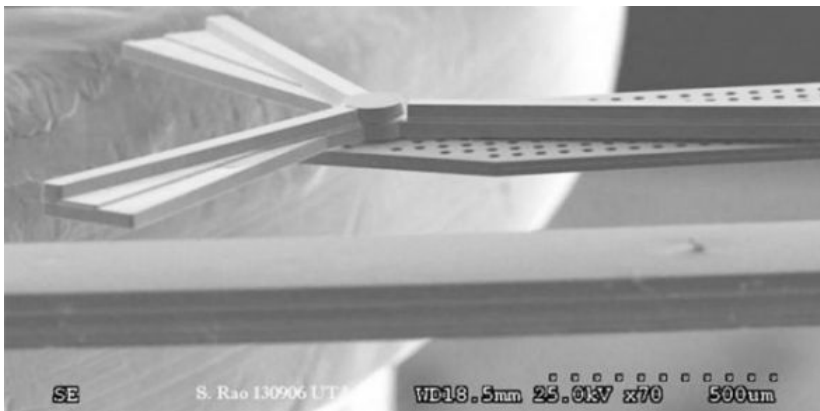
"The company was quite surprised with the micro-windmill idea when we showed the demo video of working devices. It was something completely out of the blue for them and their investors."



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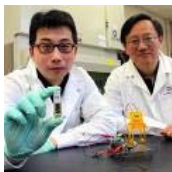


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