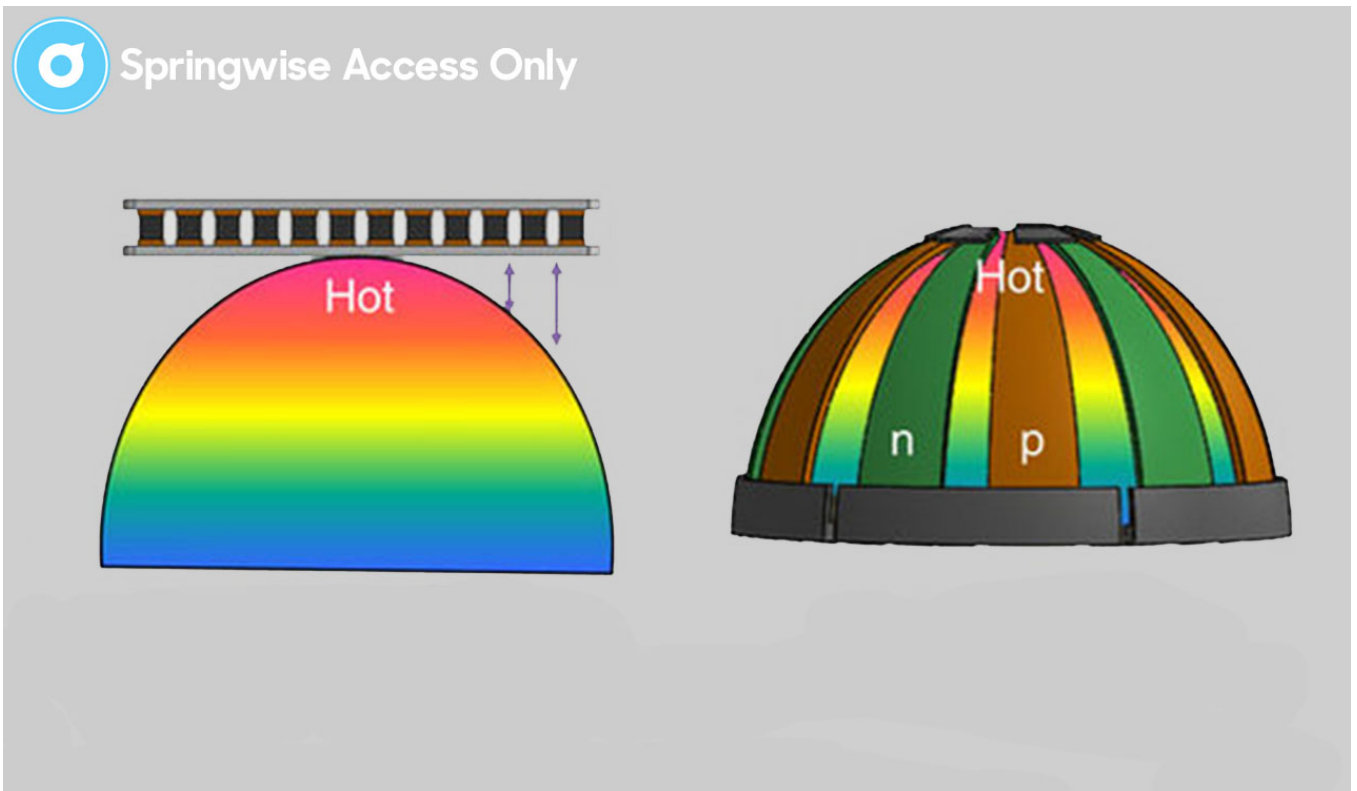


Thermoelectric paint creates sustainable electricity



Researchers from the Ulsan National Institute of Science and Technology ([UNIST](http://www.unist.ac.kr)), the Korea Institute of Science and Technology (KIST), and the Korea Electrotechnology Research Institute created an efficient, energy converting paint. By utilizing the waste heat generated by a variety of sources, thermoelectric materials create sustainable electricity.

The problem with current thermoelectric devices is their angular shape. When placed on the frequently curved objects that generate waste heat, a considerable amount of resources is wasted. Thermoelectric paint, on the other hand, particularly when brushed on, produced a consistently high output of power. The authors of the study believe that large-scale application of the paint, on structures such buildings, cars and ships, could produce “huge” amounts electricity from what would otherwise be wasted heat. It even has a potential use in wearables.

Scientists working to find new ways to make sustainable energy more powerful have created a method for [boiling water using daylight and bubble wrap](#), and printed photovoltaic ink onto a solar cell to make [energy producing photographs](#). How could these new combinations be made for useful for cities or industries?

Website: www.unist.ac.kr

Contact: [www.twitter.com/iUNIST](https://twitter.com/iUNIST)