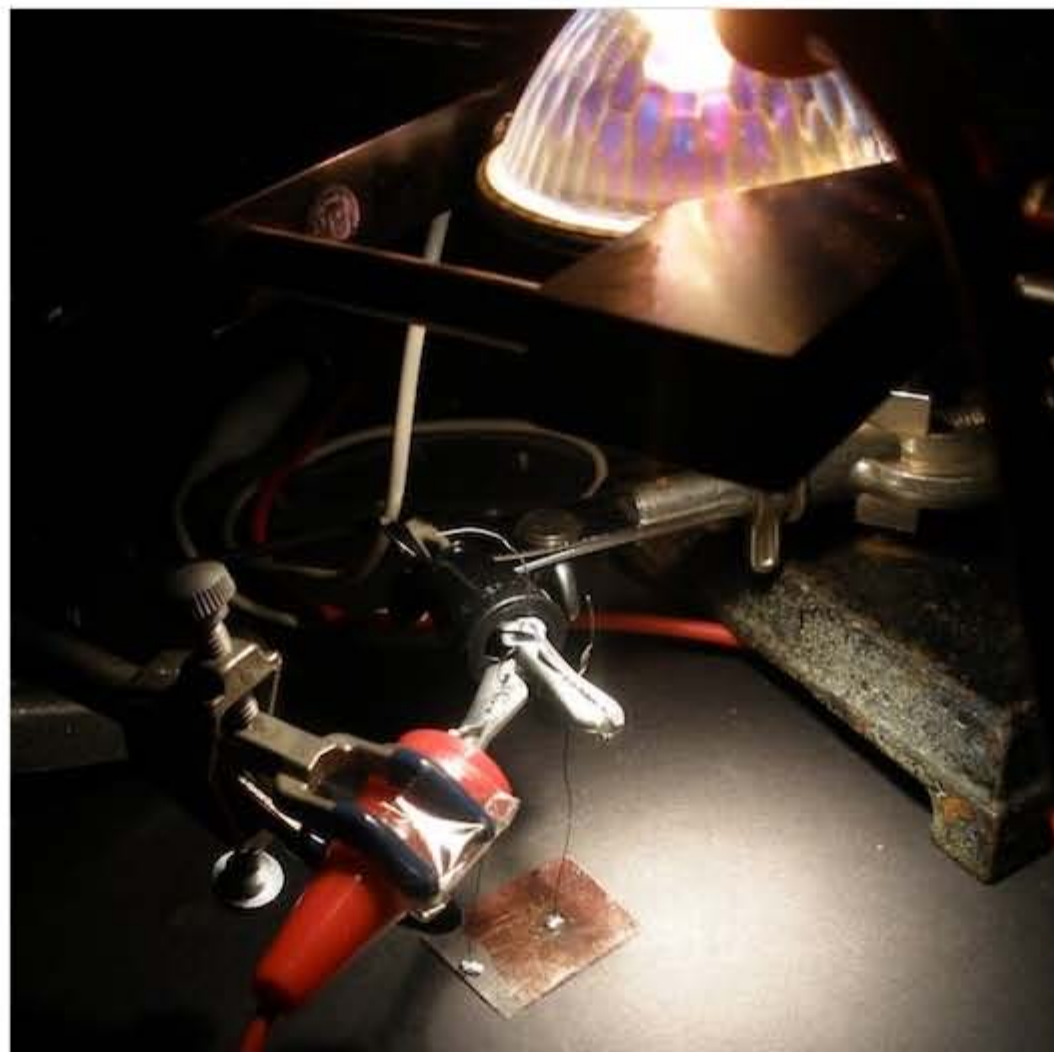




High School Inventors

Ten amazing projects built by teens

By Katherine Bagley Posted 08.10.2012 at 1:59 pm 0 Comments



POPSCI THE FUTURE NOW



Courtesy Ryota Ishizuka:

Name: Ryota Ishizuka

Age: 18

High school: Greenwich High School, Greenwich, Connecticut

Invention: Flexible solar cells

Using only tools from his school's science lab, Ryota Ishizuka layered 5-by-5-centimeter solar cells onto a stretched elastic polymer. He then released the tension on the polymer, causing the cells to bunch, creating wrinkles. When the material flexes and stretches, the wrinkles smooth out without breaking the cells. Ishizuka says the solar cells could be applied to surfaces of buildings and vehicles, as well as clothing.

What's next: Ishizuka will attend Harvard University in the fall.