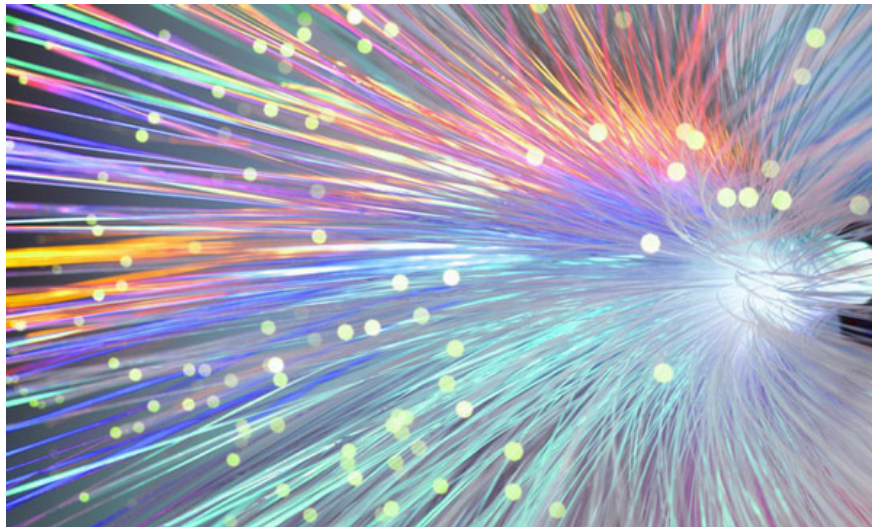


New fiber optic technology allows signals to travel 100 times faster than current

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Specifically, scientists have found a new way for fiber optic systems to transmit information by twisting light on the move to bring a lot of data in a single transmission.



Today's fiber optic cable, signal transmission with each beam of light (light waves that can run vertically or horizontally) is already quite high, completely surpassing the Internet on old copper wire technology. But, Australian researchers believe they can improve Internet speed even better.

Previously, US researchers created a fiber optic cable that could twist light. Following this study, Australian scientists have found a way to read the signal that lies in twisted light. They created a light wave detector that is as small as a human hair.

Professor Min Gu, co-author of the study, said they could produce a new chip, detect twisted light and display the content.

In particular, this new solution can be applied to existing fiber-optic systems, even Internet systems that run copper wires to speed up the network 100 times without replacement.

However, to realize and disseminate super-speed optical cable will need to go through a very long process of waiting for companies to accept, the carriers agree. As expected, users have to wait until 2040 to experience this system.

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