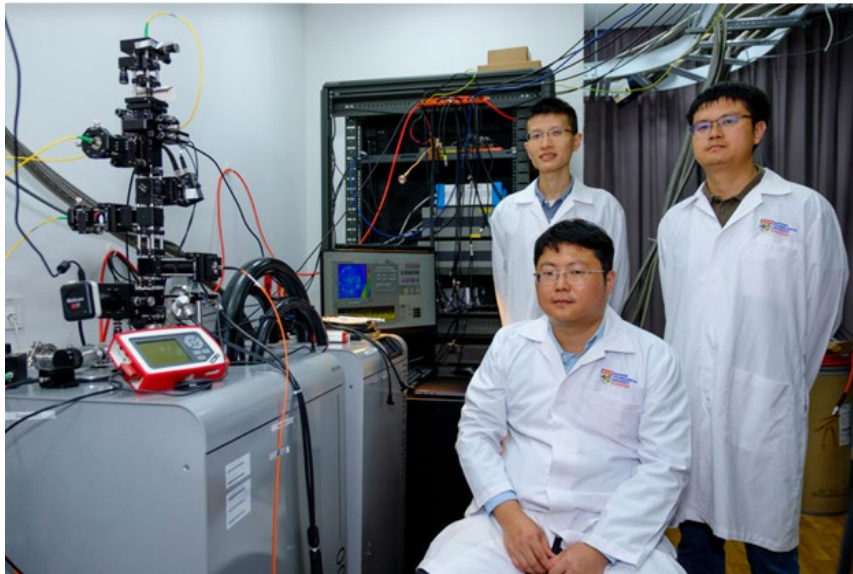


Scientists control 'free-flowing' electric currents with light

A team of researchers led by Nanyang Technological University (NTU) scientists have made a breakthrough in a long-standing challenge related to the precision of directing electrical currents produced by quantum materials, by unlocking the potential for controlling the flow of electricity which could "herald the age of energy-efficient quantum computing devices," thereby reducing power consumption in electronic devices through the design of programmable electrical circuits which are energy efficient. Following this successful breakthrough, the researchers are to investigate how robust this innovation is in regards to processing quantum information.