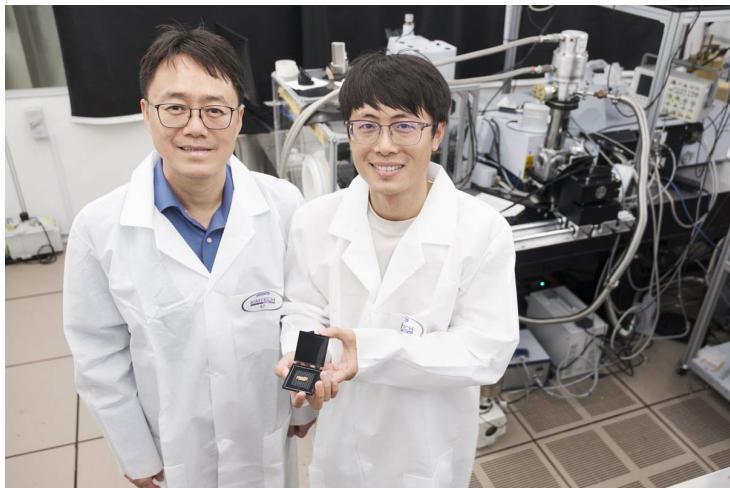




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New Energy-efficient Ultracompact Laser



The scientists who led the development of the laser: Prof Wang Qijie from NTU Singapore's School of Electrical and Electronic Engineering (EEE) and School of Physical and Mathematical Sciences (left) and Dr Cui Jieyuan from NTU Singapore's EEE. Credit: NTU Singapore.

A new ultracompact laser that is more energy efficient and consumes less power has been developed by scientists led by Nanyang Technological University, Singapore (NTU Singapore).

The micrometre-sized laser incorporates a special design that reduces light leakage. Minimising light loss means less energy is required to operate the laser compared to other highly compact lasers.

The innovation may pave the way for high-speed wireless communication of the future as well as other applications in optical computing and medical imaging.

<https://www.miragenews.com/new-energy-efficient-ultracompact-laser-1515085/>