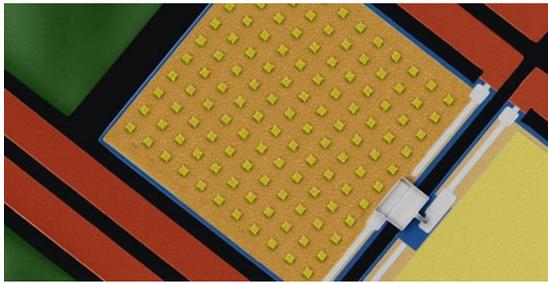


## The News Less Travelled



### Bluetooth vulnerabilities

A number of vulnerabilities and security flaws have been identified in Bluetooth technology by a US lab in a recent white [paper](#). With more than 8.2 billion Bluetooth devices in use, not just in phones and wearables, but in TVs, medical appliances, cars and critical infrastructure – this paper says the system is too complicated.

### Fall-back solutions for vehicles

Thyssenkrupp engineers are working on secondary [systems](#) with vehicles' steering systems to integrate a second steering motor. If one motor fails, the other ensures that steering is still possible. The company is also developing fall-back solutions outside of steering such as the drive and brake systems of an electric car being used to steer the front wheels by varying the amount of power or braking force applied to the individual wheels. This way, they can take over steering function in an emergency to ensure the vehicle is manoeuvred to safety.

### Sleeping technology wide awake

DARPA is building a tiny sensor that detects a signature of infrared wavelengths of heat such as a hot exhaust pipe, a wood fire or even a human being. [The sensor](#) will remain dormant and unattended perhaps for years but will always be alert without drawing on battery power. If the sensor is detected itself, it can initiate a signal that alerts war fighters, firefighters or others of interest.

### Life in the fast lane

With Australian traffic modelling showing a 50% increase in overall volume in the next two decades and a 75% jump in congestion with average speeds falling by a fifth, toll operator Transurban is looking at [an algorithm](#) to get people into the fast lane. The algorithm raises and lowers the toll price depending on the traffic density to ensure express lanes remain at freeway speeds.

### Have your say

The Australian government has announced it will develop a national [Digital Economy Strategy](#) which will focus on ways governments, businesses and the community can adjust to seize the benefits of digital transformation. Submissions and comments are open until 30 November 2017.

*Image: DARPA is building a tiny sensor that may 'sleep' for years without battery power. Source: DARPA*

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