

A graphic consisting of two overlapping purple arrows pointing to the right. The top arrow is a lighter shade of purple, and the bottom arrow is a darker shade. The text "NEW APPLIED NOW" is written in a bold, black, sans-serif font, with the words stacked vertically and partially overlapping the arrows.

NEW APPLIED NOW

CHARTING A PATH IN GEOSPATIAL

It's 3:10pm, 79 degrees and people from all over the world are bustling into the hot sun, dragging heavy luggage.

This used to mean a long wait for a ride, but now the line for transport to the city moves swiftly, as autonomous vehicles collect their passengers and rapidly move to their destinations.

This is the new experience of public transport in Sydney. High definition, constantly-updated maps have made for safe, reliable and efficient driverless transport.

The same computer vision and machine learning that helps the vehicles compare what they "see" to what the maps tell them, also enables them to play "spot the difference".

They can tell when data discrepancies occur and share mapping changes with other vehicles.

Explore what's new in high-definition mapping and computer vision.