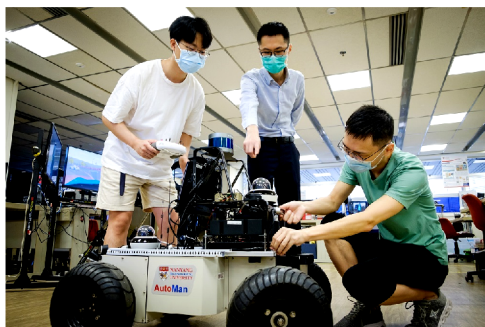


# Twin win at Google's Waymo autonomous driv competition

A team of NTU roboticists has clinched two top awards at an autonomous driving competition organised by Waymo, the autonomous vehicle subsidiary of Google.

In the Google's 2021 Waymo Open Dataset Challenges which saw more than 70 international teams take part virtually, the NTU team won 1<sup>st</sup> place under the Interaction Prediction category and 2<sup>nd</sup> place under the Motion Prediction category.

In the two challenges, participants had to develop software algorithms to analyse 574



hours of real-world traffic data collected by consisting of vehicles, pedestrians and cycl as infrastructure such as traffic lights.

The competition's results were unveiled at 2021 Conference on Computer Vision and I Recognition (CVPR) – regarded as the work annual computer vision conference.

The competition saw participation from top from industry and academia, such as auton firm Horizon Robotics, US tech company Xilinx, Chinese automobile manufacturer Leapm transport giant DiDi, and universities including University of California, Berkeley, Carnegi University, Technical University of Munich, ETH Zürich and Tsinghua University.

In the Interaction Predication challenge, NTU was the only named winner with no other r unlike the other challenges which had the top three teams named. In the Motion Predica challenge, NTU is placed 2<sup>nd</sup> after Tsinghua University.

The team is now looking to integrate its technologies into the NTU-Volvo full-sized auto electric bus and to conduct trials at the Centre of Excellence for Testing & Research of Au Vehicles – NTU (CETTRAN).

Developing future mobility solutions is part of the NTU 2025 Strategic Plan that seeks to technology's impact on humanity through high impact research. These future mobility te are developed and tested on the NTU Smart Campus, a living testbed of innovative digit: enabled solutions that support better learning and living experiences.

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