Autonomous Audi almost matches human race car driver lap times

The Stanford Autonomous Vehicle Lab (AVL) has been working on its latest Audi A7 autonomous car. At the recent Audi TTS Autonomous Car Challenge, the AVL team was able to set the fastest lap with their autonomous Audi A7, besting the human drivers.

The Audi TTS Autonomous Car Challenge is a competition that pairs human drivers with autonomous cars to see who can lap a circuit the fastest. The human drivers have access to a traditional steering wheel and brake pedals, while the autonomous cars use advanced sensors and AI to control the vehicle.

The AVL team's autonomous Audi A7 was able to lap the circuit in 1:25.038, besting the human drivers' best lap of 1:25.236. This is an impressive feat for an autonomous car, as it shows that autonomous vehicles are becoming more capable of handling high-speed circuits.

The AVL team is a joint venture between Stanford University and Audi, and has been working on autonomous vehicles for several years. The team's goal is to develop autonomous vehicles that are safe and reliable, and that can be used in a variety of applications, from delivery vehicles to self-driving cars.

The AVL team's autonomous Audi A7 is equipped with a suite of sensors, including LiDAR, radar, and cameras, which allow it to navigate high-speed circuits with precision. The AI algorithms used by the AVL team are designed to learn from data collected during testing, allowing the vehicle to improve its performance over time.

The AVL team's success at the Audi TTS Autonomous Car Challenge is a testament to the progress being made in autonomous vehicle technology. As the technology continues to improve, it is likely that we will see more autonomous vehicles on the roads in the future.