

NAVIGATION GPS systems are practically synonymous with navigation, even more so with the rise of autonomous vehicles. A highly precise and reliable way of tracking vehicle position and proximity to other things on the road is necessary for safe autonomous driving. Today, GPS systems with centimeter-level accuracy and lidar inform autonomous vehicles where they are, where they are going, and how close they are to other objects.

Photo: Eastern Sierra, California by Dylan Cembalski, UNAVCO

MEASURING THE EARTH

THE SCIENCE OF
GEODESY



a monthly series on the how and why of geodesy