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Road test proves adaptive cruise control can add to traffic jam problems

A new, open-road test of adaptive cruise control demonstrated that the feature, designed to make driving easier by continuously adjusting a vehicle's speed in response to the car ahead, doesn't yet solve the problem of phantom traffic jams.



Rebuilding concrete – Sanchez to help lead \$6.7M Hong Kong research project

Prof. Florence Sanchez is co-PI on a new project to revolutionize concrete production using seawater, sea sand, and fiber-reinforced polymer composites. The Hong Kong Research Grants Council awarded a \$6.7M grant to a team that spans eight countries.



Transportation engineers put sophisticated eyes on campus mobility and air quality

The first of what could be two dozen sophisticated sensor arrays—called the MoveVU Digital Gateway—has started collecting mobility and air quality data on Vanderbilt's campus as part of a large-scale, \$9M project backed by federal, state, and university funding.



Revamped civil engineering curriculum ignites students' passions

Members of the Class of 2020 will be the first civil engineering students to graduate under a revamped curriculum, designed to engage students early by combining hands-on projects with big-picture thinking.



Army general and engineering professor excels at dual career

Gene LeBoeuf's double life includes the beloved civil engineering professor pacing in loafers in front of an engineering whiteboard and the camo-wearing, two-star general leading jungle warfare training, talking counter-terrorism, and gathering senior leadership on base.

From the Chair

As we approach the beginning of 2020, I hope you find inspiration for the new year in these stories. Our research explores how cars with speed control technology influence traffic jams on freeways and how to make concrete using seawater and fiber-reinforced materials. Our professors are reimagining the civil engineering curriculum for the next generation and one professor is serving the nation as a major general. We celebrate the contributions of civil and environmental engineers everywhere and wish you all a happy holiday and healthy and prosperous new year!

Give Now! Support the great work our students and faculty are doing

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