

POSTDOCTORAL AND PHD STUDENT OPENINGS AT CLEMSON UNIVERSITY, USA
*to study the impact of one of the largest deployments of automated electric shuttles in the world
on Clemson University campus*

A postdoctoral research position and up to three Ph.D. assistantship positions are available immediately at Clemson University in South Carolina. In this three-year Department of Energy funded project, the Clemson team will work closely with teams from Optimus Ride, University of California at Berkeley, and Argonne National Lab to investigate the impact of the deployment of 10 Automated Connected Electric Shared shuttles on energy, carbon footprint, parking behavior, and equity as compared to conventional Clemson University transit and will analyze scale up to other campuses and metropolitan areas. More about the project can be found at this [press release](#).

The candidates will work with faculty mentors and researchers in the two departments of Mechanical Engineering and Automotive Engineering.

The postdoctoral candidate is expected to play a leadership role in a large team and should have strong technical, communication, writing, and project management skills. A Ph.D. in engineering, documented experience in vehicle automation and controls and/or traffic and pedestrian related simulation and experiments, a solid publication record, and strong coding skills are among the main requirements. Other desired areas of expertise are: vehicle powertrain modeling, advanced motion planning methods, optimal control, vehicle perception, game theory, data analytics, and proficiency in C++, Python, or Java.

The Ph.D. students must demonstrate a solid undergraduate/masters training in engineering, interest in vehicle automation and traffic modeling, control and optimization, and have strong coding skills. Hands-on experimental skills are strongly desired. Proficiency in PTV Vissim/Viswalk is a plus.

If interested, please fill out the google form at <https://forms.gle/D7vaHaYApnzJJ8Rq5> and upload your resume there. The form is regularly monitored by Professor Ardalan Vahidi and Professor Yunyi Jia.

ABOUT CLEMSON: Ranked as the 23rd best USA national public university by *U.S. News & World Report*, Clemson is a science- and engineering-oriented college dedicated to teaching, research and service. Founded in 1889, we are committed both to world-class research and a high quality of life. Clemson is classified as a Tier 1 Research Institution by the Carnegie Foundation. Clemson beautiful college campus sits on 1,400 acres in the foothills of the Blue Ridge Mountains, along the shores of Hartwell Lake. The Clemson campus is located between Atlanta, GA and Charlotte, NC near Greenville, SC within driving distance to their three international airports.

