Electric vehicles may not be outpacing traditional internal combustion engines just yet, but Dr. Peng Zhang of the University of Connecticut is preparing for that day to come. His CTLS pilot research project aims to explore solutions to the challenges that will inevitably affect the country's electrical infrastructure during an eventual massive deployment of electric cars. By studying things like how to best distribute electricity loads during times of peak consumption, and smart-charging techniques, Dr. Zhang hopes to better prepare Connecticut for the foreseeable increase in electric vehicles during the next ten years.