Ph.D Student Position

Summary

Dr. John Paul Helveston is seeking a motivated Ph.D. student to join his research lab starting in the Fall 2024 semester in the Engineering Management & Systems Engineering Department at the George Washington University. Dr. Helveston's research focuses on understanding how consumer preferences, market dynamics, and policy affect the emergence and adoption of low-carbon technologies, such as electric vehicles and renewable energy technologies. He is beginning a new project focused on the equitable adoption of plug-in electric vehicles (PEVs), supported in part by a grant from the US Department of Energy (FOA# DE-FOA-0002611) in collaboration with the National Renewable Energy Lab (NREL). The project will involve the following:

- Using surveys to quantify consumer vehicle preferences for both new and used vehicle markets in disadvantaged communities.
- Qualitative interview work focused on understanding the transportation needs and preferences of residents in disadvantaged communities.
- Using a large database to map the supply and diffusion of electric vehicles across North America.

Qualifications

Dr. Helveston takes an interdisciplinary approach to research, including both quantitative (e.g. data analytics) and qualitative (e.g. interviews) research techniques. Students with interests in mobility, transportation, electric vehicles, business model formation, technological change, or innovation and entrepreneurship are strongly encouraged to apply. Students should be either currently accepted or applying to the Engineering Management & Systems Engineering Department at GWU.

Application Process

Interested students should email Dr. Helveston at jph@gwu.edu. Include in your email the following attachments:

- A 1-2 page research statement describing specific research topics you are interested in and why as well as how you see yourself contributing to my lab. You may also want to include a brief summary of your prior research experience and skills.
- Your CV.