**Ph.D. position in connected and automated vehicle at University of Georgia**

**Description**

Dr. Yunli Shao is an Assistant Professor at the University of Georgia College of Engineering, part of the E-Mobility initiative. His research focuses on developing and innovating automotive and transportation systems by integrating theories and methodologies, such as advanced control, optimization, artificial intelligence (AI), with multi-resolution modeling, simulation, and hardware-in-the-loop (HIL) experimental evaluation. More information: <https://yunlishao.github.io>.

He is looking for multiple Ph.D. students with covered tuition and stipend **Spring/Fall 2024** in the following areas:

* Connected and automated vehicles (CAV)
* Cooperative driving automation (CDA)
* Model based and AI based optimal control
* Multi-resolution HIL digital twin simulation
* Intelligent transportation systems
* Vehicle and transportation electrification

**Requirements**

* MS/BS degree in a related engineering discipline, such as Mechanical Engineering, Automotive Engineering, Electrical and Computer Engineering, Civil Engineering, and Computer Science.
* Highly motivated and have strong interest in conducting research in at least one of the above areas.
* Proficient in at least one programming language, such as Matlab/Simulink, Python, C++, Julia.
* Preferred to have research experience in dynamic systems and control, automotive, robotics, machine learning, real-time control systems and HIL simulation (e.g., dSPACE), or related areas.

**How to apply**

Interested candidates are encouraged to send resume/CV to [yunli.shao@uga.edu](mailto:yunli.shao@uga.edu) with the email title “Ph.D. Application-[Your Name]”. Please submit an official online application according to instructions on <https://engineering.uga.edu/graduate-programs/admissions>, and indicate your interests to work with Dr. Yunli Shao.

**About University of Georgia**

University of Georgia (UGA) is the flagship institution in the University System of Georgia and the birthplace of public higher education. Additionally, UGA is ranked as one of the **top 16** public colleges and universities by the U.S. News and World Report and among the **top 10** according to Niche. Several of UGA’s more than 300 graduate certificates and programs, including master’s, doctoral, and specialist degrees, are ranked among the **top 10** in the nation. UGA coordinates world-class graduate programs and certificates that offer professional development and cutting-edge research opportunities with real-world applications.

UGA’s main campus is located in Athens, Georgia, a quintessential college town that was ranked as “The South’s Best College Town 2022” by Southern Living. Atlanta is only a 1-hour drive from the Athens campus, so trips to the airport or to see any of the state capital’s many attractions are easy to make any day of the week.

佐治亚大学(University of Georgia)车联网自动驾驶招全奖博士生

**导师介绍：**

佐治亚大学工程学院Dr. Yunli Shao招收多名全奖Ph.D.学生，2024春季/秋季入学。他拥有多年的业界经验，曾在橡树岭国家实验室Oak Ridge National Laboratory主持数个能源部的重点项目，带领多人研究团队，在顶级业内期刊和会议发表近40篇研究成果。他的研究方向主要侧重智能车辆和交通系统，包括但不限于智能网联汽车，自动驾驶技术，新能源车辆技术，以及优化控制理论，人工智能在其中的应用。更多信息可以访问<https://yunlishao.github.io>。

**研究方向：**

* Connected and automated vehicles (CAV)
* Cooperative driving automation (CDA)
* Model based and AI based optimal control
* Multi-resolution HIL digital twin simulation
* Intelligent transportation systems
* Vehicle and transportation electrification

**申请要求**:

* 硕士/本科学位于相关的工程领域，包括但不限于机械工程，车辆工程，电子与计算机工程，交通工程等
* Highly motivated并且对至少一个上述研究方向有强烈科研兴趣
* 熟练掌握至少一种编程语言，例如Matlab/Simulink, Python, C++, Julia
* (加分项) 拥有控制系统设计，车辆工程，机器人，机器学习，实时控制系统仿真或相关领域的科研经验。

**申请须知**：

如果您感兴趣，请将您的简历发送到[yunli.shao@uga.edu](mailto:yunli.shao@uga.edu) ，邮件标题注明“Ph.D. Application-[Your Name]”。申请信息请参看<https://engineering.uga.edu/graduate-programs/admissions>。2024年春季不需要GRE。

**佐治亚大学简介：**

University of Georgia (UGA) 是美国最佳公立大学之一，在2023 US NEWs排名第16，在Niche排名第10，是公立常青藤大学之一。学校坐落在距离亚特兰大1小时车程的Athens，位于佐治亚州东北部，是全美最佳大学城之一，气候宜人，治安环境良好，适合居住。亚特兰大机场是全世界旅客吞吐量最大的机场，交通便利。亚特兰大周边有众多亚洲超市以及中餐馆，生活环境对留学生非常友好。佐治亚大学的工程学院在近年来得到学校重点发展，是主要投资建设领域之一，发展迅速。