

东南大学 2022 年国际暑期学校项目介绍

Introduction of SEU International Summer School Program

项目主题 智能汽车设计与控制

Theme: Design and Control of Automated Vehicle

项目概述

本项目围绕智能汽车设计与控制主题，通过《车辆动力学基础》、《产品设计方法学》、《智能汽车与自动驾驶》这三门课程，从车辆动力学基础理论与设计方法的学习，到基于智能汽车典型功能的应用创新，旨在使学生了解智能汽车设计与控制的基础理论与最新发展趋势，掌握智能汽车典型功能的设计方法，并采用科学方法对复杂工程问题进行研究的能力。

Overview

This program consists of three courses focusing on the design and control of automated vehicle, including Vehicle Dynamics Fundamentals, Product Design, Automated Vehicle for Mobility. By learning the dynamics and design basics, it aims to enable students to understand the fundamental and latest development on automated vehicle, master the basic design and control methods of automated vehicle, and the ability to use scientific methods to conduct research on complex engineering problems.

日程安排 (暂定)

Schedule (Draft):

Time: Hybrid Online and Offline Class from August 8th to September 2nd

Course: Vehicle Dynamics Fundamentals (2 credits), Product Design (2 credits), Automated Vehicle for Mobility (2 credits)

计划招生人数

Number of Participants: 20

申请要求

国际本科生需具有机械工程、车辆工程、电子电气工程、自动化等相关专业背景，具有较强的综合宿舍，并且能够熟练使用英语进行交流与学习。

Application Requirements

We welcome applications from current undergraduate students whose major in

Mechanical Engineering, Automotive Engineering, Electrical Engineering, Control and Automation or other related fields. Applicants should be in good standing at their home university and communicate in English fluently. It is welcome to have one of the following English proficiency assessments, including TOEFL, IELTS or CET-6.

申请截止时间：2022 年 7 月 31 日

Application Deadline: July 31st, 2022

主办/承办单位：东南大学机械工程学院

Host & Organizer: School of Mechanical Engineering, Southeast University

联系人及联系方式：曹璨, 610909050@qq.com

Contact Information:

Inquiries about the summer school should be sent to 610909050@qq.com (Ms. Can Cao)