

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 智能感知与互联——通感算一体化国际暑期学校

Theme IntelliSense and Interconnection——Integrated Communication, Sensing and Computation International Summer School

项目概述

Overview

本项目立足于东南大学 EECS 学科强势资源平台，引进国内外一流师资小班化教学，与企业实训紧密结合，教学研讨结合，旨在培养学生了解智能感知与互联领域知识，启发学生在通感算一体化学科交叉领域进行探索。本项目由东南大学吴健雄学院（荣誉学院）、未来技术学院组织，共开设 3 门课程，每门课程 2 学分，项目实施时间为连续 4 周。包括机器学习、传感器与机器人系统、OFDM 无线通信理论与技术课程，分别邀请卡耐基梅隆大学、清华大学、东南大学教师授课，另外邀请英国帝国理工等国际一流教授和华为等企业专家开设高端讲座，组织参观紫金山实验室及优秀本地企业。

The summer school program benefit from the multidisciplinary advantages and top-notch teaching and research resource of EECS in Southeast University. In this program we invite first-class domestic and foreign professors to teach in small group. Combined with seminars, discussions and hands-on experiences in top enterprises, we are aiming to gain students with further understanding of IntelliSense and Interconnection, and inspire them to explore in the inter-disciplinary field of Integrated Communication, Sensing and Computation. This program is organized by Chien-Shiung Wu College (Honors College) and School of Future Technology. 3 courses are offered in this program, each with 2 credits, within 4 weeks, including course of "Machine Learning" conducted by Prof. Shlomo Ta'asan from Carnegie Mellon University, "Sensor and Robotic Systems" conducted by Prof. Ding Wenbo from Tsinghua University and "OFDM for Wireless Communications, Theory and Technology" conducted by Prof. Zhang Hua from Southeast University. In addition, we also invite Prof. Li Ye from the British Imperial College and industrial experts from top companies like Huawei Tech. Co. to give talks and face-to-face discussion. An exciting tour to the leading research center of Chinese future "6G" technology, Purple Mountain Laboratories, will also be held, as well as other top local enterprises, if possible.

日程安排（暂定）

Schedule (Draft)

课程 1：传感器与机器人系统

课程 2：OFDM 无线通信理论与技术

课程 3: 机器学习

Course 1: Sensor and Robotic Systems

Course 2: OFDM for Wireless Communications, Theory and Technology

Course 3: Machine Learning

时间: 2022.8.8-2022.9.4 (周一至周五)

Time: 2022.8.8-2022.9.4 (Mon. to Fri.)

地点: 线上与线下结合 (线下: 东南大学九龙湖校区; 线上: 腾讯会议)

Place: Online and offline (Offline: Jiulonghu campus), Jiangning, Nanjing ; Online via Tencent Meeting)

计划招生人数

Number of Participants

校内学生 90 人, 国际学生 30 人, 每门课程容量 40 人。

90 SEU students, 40 international students, 40 students capacity for each course

申请要求

Application Requirements

电类专业本科生, 具备一定的专业基础, 语言能力良好。

The undergraduate applicants are preferred to major in electronics and information, automation, computer science or related area, and has excellent language ability.

申请截止时间

Application Deadline

2022 年 6 月 20 日

20 June 2022

主办/承办单位

Host & Organizer

东南大学吴健雄学院 (荣誉学院)、未来技术学院

Chien-Shiung WU College(Honors College), School of future technology

联系人及联系方式

Contact Information

李媛 (国际化秘书)

电话: 025-52090997

邮箱: 103007522@seu.edu.cn

LI Yuan(International Coordinator)

Tel: 025-52090997

Email: 103007522@seu.edu.cn