

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 (Theme) 可再生能源驱动的新型电力系统

Renewable Powered New Energy Systems

项目概述 (Overview)

This program is organized by School of Electrical Engineering, Southeast University. It is designed for international students all over the world to provide plentiful summer online courses. Combined with the lectures given by the well-known experts in electrical engineering, the International Summer School aims to promote education reform and development for undergraduate or graduate students, which can create an innovative atmosphere for college students. In this way, the graduate students can better understand the field of international cutting-edge academic and research advances, broaden academic horizons, broaden scientific research ideas, improve academic literacy, strengthen the awareness of innovation and entrepreneurship, as well as improve the innovation ability and training quality of students.

The courses will be given by well-known foreign experts and teachers majoring in Electrical Engineering, Southeast University will provide professional guidance for the students; the implementation duration of this project is 4 weeks, with a total of 40 class hours. It is suggested that it can replace the practical courses in the professional training plan. Moreover, extra SRTP credits can be earned for participating in the above-mentioned lectures.

日程安排 (暂定)

Schedule (Draft) from Aug. 2022-Sept. 2022

MathWorks Webinar @ Southeast University (美国 MathWorks 公司特邀在线课程)

Courses	Presenters
Interactive Matlab Tutorial Systems	Dr. Yueyi Xu (Matlab Mathworks)
Modelling Transportation Electrification and Energy Internet with Matlab	Dr. Hongcai Zhang (University of Macau)
Analyzing the Quality of Electric Energy with Matlab	Dr. Ningyi Dai (University of Macau)
Matlab Live Editor - A Brand New Way of Coding in MATLAB	Dr. Dakai Hu (Matlab Mathworks)
Modelling Renewable Energy Systems and Electricity Market with Matlab	Dr. Hongxun Hui (University of Macau)

Curriculum Design of Low Carbon Energy Systems (Seminar) 低碳能源系统设计系列 (讲座)

Courses	Presenters
Application of linear and nonlinear control theory in design of power system with high penetration of renewable energy resources	Dr. Carlos Jorge Ferreira SILVESTRE (University of Macau)
Renewable energy integration technology in the Low Carbon Power System	Dr. Ningyi DAI (University of Macau)
Real-time Simulation of Power System with High Penetration of Renewable Energy Resources	Bowen Liang (OPAL-RT Technologies)
AI and Data Analytics for Smart Energy Towards Low Carbon Future	Dr. Tao Chen (Southeast University)

Academic Writing (Seminar) 学术科研写作 (讲座)

Courses	Presenters
How to Write Academic Paper in English	Dr. Pengyang Wang (University of Macau)
How to Explore Academic Information	Dr. Xiaowei Wu (University of Macau)
How to Write Academic Paper in Chinese	Dr. Hongxun Hui (University of Macau)

计划招生人数 120

Number of Participants 120

申请要求: 对所有学生开放

Application Requirements: Open to all college students

申请截止时间: 2022 年 5 月 31 日

Application Deadline: May 31st, 2022

主办/承办单位: 东南大学电气工程学院

Host & Organizer: School of Electrical Engineering, Southeast University

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