



海外专家系列报告——交通电气化与微电网技术

时间：2024年5月7日

线下地点：文昌校区教四楼101室

腾讯会议号：214-145-467(上午) 555-542-379 (下午)

欢迎全校师生参加!

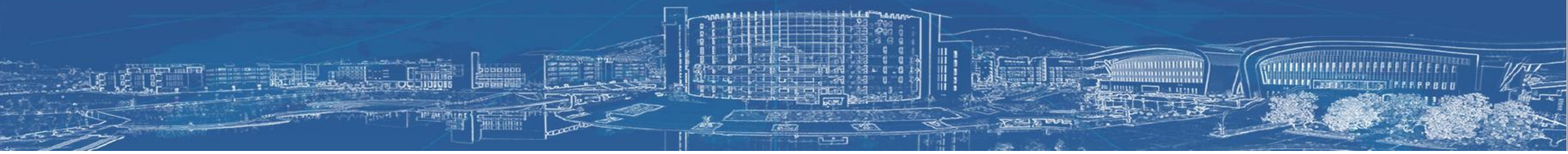




- **学术报告: Technologies for Transportation Electrification**
- **报告人: Patrick Wheeler University of Nottingham UK**
- **时间: 5月7日10:00-11:00**
- **报告简介: This presentation will consider the roadmaps for transportation electrification and the technological developments which are going to be needed to make these visions viable. These developments and technology challenges will include the electrical drivetrain design and the applications of motor design and power converter topology choices as well as the impact of emerging technology advances including cooling techniques, integration, system optimisation and wide-bandgap semiconductors. The Challenges for Power Electronics or Electrical Machines experts will also be explored and case studies from aircraft, superbikes and trucks used to illustrate the approaches being taken.**



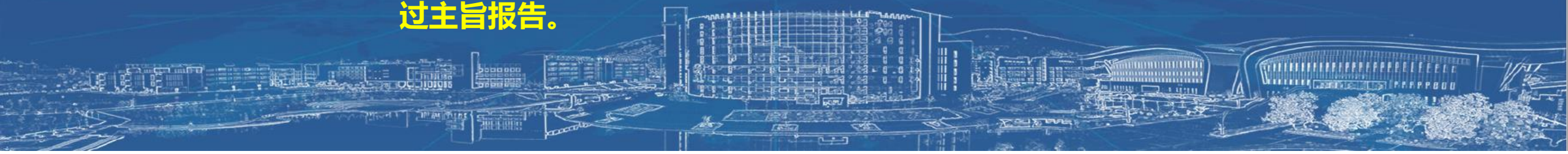
- 学术报告: HVDC and Microgrid Technologies
- 报告人: Patrick Wheeler University of Nottingham UK
- 时间: 5月7日16:30-17:30
- 报告简介: This presentation will explore the power electronic converter technologies needed for HVDC and Microgrid applications. This will include modular multi-level converter topologies for HVDC applications and control techniques for microgrid applications. Examples will include off-shore applications of HVDC as well as agricultural and net-zero industrial applications of both DC and AC microgrids.





报告专家简介:

Patrick Wheeler (IEEE Fellow) 教授, 研究领域主要是电力电子在工业、航空和新能源等方面的应用, 发表了超过750篇的国际期刊和会议文章。他现任诺丁汉大学Power Electronics, Machine and Control Group主任, 航天研究中心主任, 欧洲Clean Sky JTI项目的主任(总项目经费56亿欧元, 诺丁汉大学经费6.7千万欧元), 并担任总项目的执委会委员。他曾于2015-2018担任诺丁汉大学Head of the Department of Electrical and Electronic Engineering, 在任期间大力推行本科教育改革, 使其本科生人数和学生满意度有较大幅度提高, 带领Electrical and Electronic Engineering Department荣获Lord Dear Award。IEEE电力电子学会(PELS)“卓越讲座人”(Distinguished Lecturer)。自2008起担任欧洲电力电子协会EPE执行委员会委员。担任IEEE PELS Constitution and Bylaws Chair。他在超过20个国家的国际会议上作过主旨报告。





承办单位：

新能源电动车技术与装备中东欧国家国际联合研究中心

江苏省外国专家工作室

江苏省高校新能源发电与电动车国际合作联合实验室

中国矿业大学电气工程学院

徐州市电动汽车动力系统高价值专利培育示范中心

徐州市新能源电动车技术与装备重点实验室

欢迎全校师生参加！