

**Introduction to the Universitat Politècnica de Catalunya and
Its Power Electronics Research Applied to Electric Vehicles**

讲座专家: Professor Sergio Busquets Monge

西班牙加泰罗尼亚理工大学

时间: 4月17日 14:00-17:00

地点: 管理学院报告厅B117



Professor Sergio Busquets Monge
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Senior Member of the IEEE

Research Interests

- **Modular and scalable power converter design**
- **Multilevel power conversion**
- **Electric vehicles**

Sergio 教授将针对电动汽车中的电力电子技术做1场讲座

Brief introduction for the lecture :

Introduction to UPC and Its Power Electronics Research Applied to Electric Vehicles

- **UPC** is a leading technological University at the south of Europe.
- **Electric vehicles** are fundamental in the transition to a sustainable and environmentally-friendly future.
- **Power electronics** is the key technology to make electric transportation affordable, efficient, and widely spread.
- Power electronics research at UPC explores the multiple benefits of applying **neutral-point-clamped multilevel** power conversion in electric vehicles.

中国矿业大学越崎引智计划讲座—Professor Sergio Busquets Monge

标题

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管理学院报告厅B117 4月17日 14:00至17:00

涵盖内容

Chapter 1: Introduction to Spain and UPC

Chapter 2: Main UPC Power Electronics Research Projects for EVs

内容简介

This lecture will initially present Spain, its main Universities, and among them, the Universitat Politècnica de Catalunya (UPC). Subsequently, power electronics research at UPC will be discussed, and in particular, the current projects exploring the benefits of applying multilevel neutral-point-clamped technology to the main power conversion systems in an electric vehicle.

联系人及承办单位

承办单位： 中国矿业大学电气工程学院
中国矿业大学电气化低碳技术研究中心
电气化低碳技术中欧联合实验室

联系人： 原熙博 教授
郭 祥 副教授

欢迎各位老师、同学踊跃参加！