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个人信息：

赵浩然，山东济宁人，1983年生

学术身份：

教授/博士生导师，中组部特聘专家，齐鲁青年学者，山东大学“杰出中青年学者”，目前为IEEE高级会员、CIGRE工作组C6.C1.33（综合能源系统）工作组成员、CIGRE C4.56（大规模电力电子接入的大电网电磁暂态仿真模型）工作组成员、IEC SC 8A专家、山东能源研究会副理事长、电机工程学会配电网控制运行专委会委员、电工技术学会人工智能与电气应用专委会委员、仿真协会综合能源数字孪生专委会委员，
目前担任IET Renewable Power Generation/Journal of Engineering期刊Associate Editor，电力保护与控制青年编委，受邀担任IEEE Transactions on Energy Conversion特刊Associate Editor，International Journal of Electrical Power& Energy Systems特刊主编。

工作经历：

2001-2005 山东大学电气工程学院 工学学士
2005-2007 国家电网济南供电公司 工程师
2007-2010 德国柏林工业大学电气系 工学硕士
2009年间 德国Younicos AG 兼职工程师
2010-2011 德国DiGSiLENT GmbH 项目工程师
2011-2014 丹麦科技大学电力能源中心 工学博士
2014-2017 丹麦科技大学电力能源中心 博士后
2017-至今 山东大学电气工程学院 教授

研究方向：

先进配电和分布式能源系统、智能电气设备设计/开发与技术咨询、中低压直流配电技术、综合能源系统、人工智能在电力能源系统中的应用等。

学术著作（部分）：

风力发电及并网
储能系统应用
综合能源系统运行与控制

代表性论文

- [1]罗豪,赵浩然,高术宁,王鹏,孙开宁.基于显式模型预测控制和改进虚拟阻抗的双馈风机低电压穿越策略[J].电网技术,2021,45(05):1716-1723.
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- [12]H. Zhao, Q. Wu, S. Huang, H. Zhang, Y. Liu and Y. Xue, "Hierarchical Control of Thermostatically Controlled Loads for Primary Frequency Support," in IEEE Transactions on Smart Grid, vol. 9, no. 4, pp. 2986-2998, July 2018, doi: 10.1109/TSG.2016.2624509.
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科研项目

- [1]信息能源耦合节点能量一致标度及其自适应持续进化建模，国家重点研发计划课题，主持。
- [2]大容量风电机组电网友好型控制技术，国家重点研发计划课题，主持。
- [3]电网故障下风电机组电压/频率暂态主动支撑技术研究，国家重点研发计划课题，主持。
- [4]基于分布式模型预测控制的风电场有功控制系统的研究，国家自然科学基金项目，主持。
- [5]海外青年人才项目，主持。
- [6]1.25MW逆变器Digsilent建模测试，主持。
- [7]基于Digsilent的MMC模型开发与交流系统分析研究，主持。
- [8]基于大型风电场实时仿真等值模型的电力系统动态仿真技术研究，主持。
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