Teacher Introduction
Zhengzhou University of Light Industry
College of Electrical and Information Engineering

导师照片	
	**He, Ping** College of electrical and information engineering, professor, doctor and master supervisor Teaching Courses: High Voltage Technology, Introduction to Electrical Engineering, Analysis of Modern Power Systems. Research Field and Interests: Stability analysis and control of high permeability new energy power system. Major Projects: [1] National Natural Science Foundation of China, Collaborative Optimization Theory and Method of Damping Characteristics Probability Analysis and Flexible Control of High Proportion New energy power System, 2024.01-2027.12, 520,000, Host. [2] National Natural Science Foundation of China Youth Project, Small Disturbance Probability Stability Assessment and Control of Power System with high penetration of wind power, 2016.01-2018.12, 240,000 yuan, host. [3] Henan Province Science and Technology Research Project, Key Technologies of Stability Mechanism and Coordination Control of Power Grid Consumption of large-scale New Energy, 2020.01-2021.12, 100,000 yuan, host. [4] Science and Technology Research Project of Henan Province, Study on the influence of wind-energy Storage Access on damping Oscillation characteristics of Power System under Energy Internet, 2018.01-2019.12, 100,000 yuan, host. [5] Training Program for Young Backbone Teachers in Colleges and Universities of Henan Province, Study on Regional Interaction and Stability of Fengfeng Storage/Fire Bundling Delivery System, 2018.01-2020.12, 60,000 yuan, host. Email: XXXX

导师照片	
	**Shen, Yongpeng** College of electrical and information engineering, professor, doctor and master supervisor Research Field and Interests: Intelligent networked electric vehicle energy management and control, New energy conversion and energy storage system control. Major Projects: [1] Research on Comprehensive energy-saving optimization control of Intelligent Networked Electric Vehicles under complex operating conditions, National Natural Science Foundation Project, 202301-202612, presided over [2] Research and development and application of key technologies for high-performance current measurement and control of high-power energy storage PCS, Key research and development project of Henan Province, 202401-202612, presided over [3] Efficient Multi-Objective Collaborative Control of Hydrogen Fuel cell Electric Vehicles, Central Plains Youth Top Talent, 202401-202612, hosted [4] Multi-Layer Energy Efficiency Optimization Control of Intelligent Net-Connected Electric Vehicles, Henan University Science and Technology Innovation Talent Support Program, 202309-202612, Host [5] Research on Key technologies of motor control system with Single current sensor, Science and Technology Research Project of Henan Province, 202201-202312, Host [6] R&D and Industrialization of NB-IoT Security Module and Security Service Platform, Zhengzhou Innovation Leading Team, 202301-202412, presided over [7] Research on Coordinated control method of Multi-port converter of electric vehicle Hybrid Energy storage System, Young Backbone Teacher Training Program of Universities in Henan Province, 202101-202312, presided over Email: shenyongpeng@zzuli.edu.cn

导师照片	
	**Sun, Junwei** College of electrical and information engineering, professor, doctor and master supervisor Teaching Courses: Principles of Automatic Control, Fundamentals of Control Engineering, Linear System Theory. Research Field and Interests: Big data, Artificial intelligence. Major Projects: [1] National Natural Science Foundation of China, Research on Multilevel Affective Memory of memristor Deep Neural Networks, RMB 62276239, 530,000 yuan, hosted. [2] National Natural Science Foundation of China Youth Project, Multi-Stage Composite Synchronization of memristor Complex Chaotic System Groups and its application in Secure Communication, 6,1603,348, 220,000 yuan, Host. [3] Excellent Youth Project of Henan Natural Science Foundation, Research on memristor Multi-layer neural Networks for Cooperative Memory and Linked Reasoning, 222300420095 million yuan, hosted. [4] Central Plains Youth Top Talent Project of Henan Province, Associative Memory Analysis and Design of memristor Multi-layer Neural Networks, ZYYCYU202012154, 500,000 yuan, host. [5] University Science and Technology Innovation Team Program of Henan Provincial Department of Education, Brain-like Intelligent Information Processing and Control, 24IRTSTHN023, 500,000 yuan, host. [6] University Science and Technology Innovation Talent Program of Henan Provincial Department of Education, Modeling and Analysis of memristor neural Network, 20HASTIT027, 600,000 yuan, host. Email: XXXX

导师照片	
	**Jin, Nan** College of electrical and information engineering, professor, doctor and master supervisor Teaching Courses: Power Engineering, Power Electronics Fundamentals, Modern Power Electronics Technology". Research Field and Interests: Power electronic converter model prediction and fault-tolerant control, Radio energy transmission, Power quality management. Major Projects: [1] National Natural Science Foundation of China, Joint Fund Project, Modeling and Optimization Method of Simultaneous wireless transmission System of Electric energy and Information, 201701-202012, 450,000, host. [2] National Natural Science Foundation of China, Youth Project, Fault-Tolerant Finite Control Set Model Predictive Control for bidirectional AC-DC Converter bridge Arm, 201701-201912107 million yuan, hosted. [3] National Natural Science Foundation of China, Joint Foundation Project, NPC Three-level Virtual synchronous machine Fault Bridge arm Current Reconstruction Model Prediction Fault Tolerance Control, 202101-202312500,000 yuan, hosted. [4] Organization Department of Henan Provincial Party Committee, Central Plains Talent Plan-Central Plains Youth Top Talent Project, High reliability Virtual synchronous electric energy conversion Control, 202201-202412250 million yuan, presided over. [5] Henan Provincial Department of Education, Henan Provincial University Science and Technology Innovation Talent Support Program, Fault Tolerant Control of Intelligent Microgrid Distributed Energy Storage Converter, 201801-201912 million yuan, presided over. Email: jinnan@zzuli.edu.cn

导师照片	
	**Yang, Xiaoliang** College of electrical and information engineering, associate professor, master supervisor Teaching Courses: Electric Power Engineering, Introduction to Electrical Engineering, New energy grid-connected generation Technology, Motor Speed Regulation and Control. Research Field and Interests: Wind turbine control, Motor drive and control. Major Projects: [1] Key Research and Development and Promotion Project of Henan Province (Science and Technology Research), Key Technology Research of brushless doubly-fed Generator Operation under Power Grid Disturbance, 2021.01-2022.12, 100,000 yuan, host. [2] Basic and Frontier Technology Research Project of Henan Province, Research on Direct Torque Control Strategy of Double-fed induction Wind Turbine, 2013.01-2015.12, 300,000 yuan, Host. [3]Key Scientific Research Project of Colleges and Universities in Henan Province, Research on Control Strategy and Application of Brushless Doubly-fed Wind Turbine grid-connected Operation, 2019.01-2020.12, PI. Email: yangxiaoliang@zzuli.edu.cn

导师照片	
	**Zheng, Xiaowan** College of electrical and information engineering, master supervisor Teaching Courses: Electric Power Engineering, Introduction to Electrical Engineering, New energy grid-connected generation Technology, Motor Speed Regulation and Control. Research Field and Interests: Optical measurement, Photogrammetry, Advanced optical techniques for experimental strain/stress analysis, , Nondestructive testing, etc. Major Projects: [1] Henan Province Science and Technology Research Project, Research on Key technologies of Fall Detection based on Inertial Sensor, 2018-2019, Host [2] Project of Zhengzhou Science and Technology Bureau, Intelligent Monitoring System design of mast Crane, 2015-2016, Host Email: 2009036@zzuli.edu.cn

导师照片	
	**Dou, Zhifeng** College of electrical and information engineering, master supervisor Teaching Courses: Power Electronics Technology, Modern Power Electronics Technology Research Field and Interests: High fault tolerant multilevel power electronic systems and their reliability. Major Projects: [1] Dou Zhifeng et al., Reliability Research of New Modular Unit Redundant Inverter, Henan Provincial Science and Technology Department, Yuke Authentication Commission [2015] No. 730. [2] Dou Zhifeng et al., Direct AC-AC Dynamic Voltage Recovery System without DC Energy Storage, Henan Provincial Science and Technology Department, Yuke Evaluation Committee [2015] No. 729. [3] Research on High-power IGBT Thermoelectric Coupling Short-circuit Failure Model and Internal Evolution Failure Mechanism, Henan Provincial Natural Science Foundation Project, 2016.01-2018.12, 100,000 (Host). Email: douzhifeng@zzuli.edu.cn

导师照片	
	**Zhang, Qingfang** College of electrical and information engineering, associate professor, master supervisor Teaching Courses: Power System Analysis, Power System Relay Protection Principle, Introduction to Smart Grid Information Engineering, Modern Sensing Technology. Research Field and Interests: Research on medium infrared photoelectron and gas sensing technology. Major Projects: [1] Youth Foundation of National Natural Science Foundation of China, Research on Strain enhancement of light emission of Germanium Tin alloy, 2021.1-2023.12, 240,000, Host. [2] Research on Strain Enhancement of IR luminescence in Sige/Tin Germanium Heterojunction of Group IV, 2020.01-2021, 123,000 yuan, presided over.. Email: zhangqingfang@zzuli.edu.cn