

# ACADEMIC TEAM



**刘进军 LIU JINJUN**

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## **Research Area**

Application of power electronics technology in power quality control and transmission and distribution system; Power electronic technology in renewable energy and distributed generation; Power electronic circuits and systems modeling, simulation, analysis and control



**马西奎 MA XIKUI**

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## **Research Area**

1. Coupling theory and its numerical analysis and software technology of multi-physical fields in electrical engineering;
2. Electromagnetic fields and waves in communication and electronic system, electromagnetic interference and compatibility design;
3. Nonlinear phenomena of electrical and electronic engineering— bifurcations and chaos, control, synchronization and application of chaos;
4. Adaptive control of nonlinear system;
5. Analysis of circuit and system and test diagnosis technology

# ACADEMIC TEAM

## 王曙鸿 WANG SHUHONG



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### Research Area

1. Circuit, electromagnetic field and multi-physical field theory, numerical analysis method and software technology;
2. Efficient power conversion, design, simulation and optimization of the transmission equipment and special electromagnetic device;
3. superconducting and magnetic materials, modeling and simulation of electromagnetic characteristics;
4. Superconducting power technology



## 王跃 WANG YUE

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### Research Area

Application of power electronics technology in power quality control, power transmission and distribution system and Distributed renewable energy systems

# ACADEMIC TEAM



**修士新 XIU SHIXIN**

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**Research Area**

Vacuum arc theory and application; electrical test and fault diagnosis technology; new electrical products research and development



**张冠军 ZHANG GUANJUN**

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**Research Area**

High voltage insulation dielectric phenomenon; Plasma physics and plasma technology; transformer state maintenance and failure diagnoses



**钟力生 ZHONG LISHENG**

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**Research Area**

Dielectrics and Electrical Insulation; Optoelectronic materials and devices; Biological dielectric and applicatio

# ACADEMIC TEAM



**方万良 FANG WANLIANG**

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**Research Area**

Analysis and control power system operation



**贾立新 JIA LIXIN**

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**Research Area**

Energy saving and optimization techniques for large electrical equipment; Complex networks theory and its application in electrical engineering



**李盛涛 LI SHENGTAO**

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**Research Area**

The dielectric theory and its application; Electrical materials and device; Insulation materials and insulation technology under extreme conditions

# ACADEMIC TEAM



**杜正春 DU ZHENGCHUN**

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**Research Area**

Power System Analysis and Control



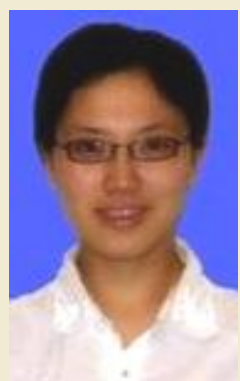
**李兴文 LI XINGWEN**

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**Research Area**

High voltage and large current; pulse power and discharge plasma



**刘文凤 LIU WENFENG**

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**Research Area**

Insulation and functional dielectric material

# ACADEMIC TEAM



**彭宗仁 PENG ZONGREN**

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**Research Area**

Ultra high voltage electric power equipment insulation characteristics; formation mechanism of space-charge in dielectric and measuring technology; high-voltage transmission line insulator on-line monitoring technology; material, structure and electrical characteristics of high voltage DC bushing

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**王锡凡 WANG XIFAN**

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**Research Area**

Power system analysis; power system planning and reliability; electricity market; new mode of transmission; renewable energy access systems

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**杨建国 YANG JIANGUO**

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**Research Area**

Bioinformatics detection; study on new type ADC

# ACADEMIC TEAM



**成永红 CHENG YONGHONG**

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**Research Area**

Dielectric materials micro/meso-dielectric theory; Dielectric materials failure mechanism and performance improvement; characterization of electric power equipment insulation and diagnosis



**耿英三 GENG YINGSAN**

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**Research Area**

Theory and technology of intelligent electrical apparatus; computer aided design and simulation of electrical apparatus



**贾申利 JIA SHENLI**

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**Research Area**

Arc plasma and its applications; new switching technology; pulse power plasma

# ACADEMIC TEAM



**李建英 LI JIANYING**

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**Research Area**

Dielectric physics and its applications; electrical insulation technology; electrical functional dielectrics



**梁得亮**

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**Research Area**

Simulation and control of servo system; new principle of electromagnetic theory and the new structure CAD technology; analysis and implementation of electromagnetic components and systems; special electromagnetic theory and control; motor systems and technology in the new energy power generation



**罗先觉 LUO XIANJUE**

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**Research Area**

Safe and economy operation of power system and electricity market; optimization and decision making system for urban power grid; test and fault diagnosis of analog circuit and analog digital hybrid circuit; electromagnetic compatibility



# ACADEMIC TEAM



**邱爱慈 QIU AICI**

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**Research Area**

High power pulse technique and high flow particle beam accelerator



**王发强 WANG FAQIANG**

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**Research Area**

Modeling, analysis and control of power electronic circuits and systems; bifurcation and chaos in electrical and electronic engineering and its control; Fractional calculus and its application in electrical engineering



**吴锴 WU KAI**

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**Research Area**

Insulation aging and breakdown theory; Partial discharge detection and mechanism; Urban energy system optimization

# ACADEMIC TEAM



**杨旭 YANG XU**

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**Research Area**

Power electronics integration technology ; switching power supply technology;  
automatic control technology



**郝治国 HAO ZHIGUO**

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**Research Area**

Power system relay protection

**Curriculum Vitae**

2006 Ph.D. in Electrical Engineering in XJTU;

2007 teaching in XJTU School of Electrical Engineering;



**李黎川 LI LICHUAN**

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**Research Area**

Magnetic suspension technique; Precision motion control

**Publications, Patents and Awards**

40 or more publications in scientific journals; declared and obtained 2 patents

## ACADEMIC TEAM



**刘崇新 LIU CHONGXIN**

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**Research Area**

Analysis, control, synchronization and application of chaotic system; nonlinear circuit theory analysis and analog integrated circuit design; the system of nonlinear modeling analysis and simulation study



**荣命哲 RONG MINGZHE**

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**Research Area**

Electric arc physics and electrical contact theory; Complete sets of electrical equipment status inspection and fault diagnosis; Electrical appliances intelligent theory and technology



**王建华 WANG JIANHUA**

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**Research Area**

High pressure vacuum appliances; Switch electrical appliances and automation; Electric computer aided design and simulation

# ACADEMIC TEAM



**王秀丽 WANG XIULI**

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**Research Area**

Electric power system planning; electricity market; Power System Reliability; electric power system analysis

**Publications, Patents and Awards**

110 or more publications on scientific journals; edited and published 6 books



**谢彦召 XIE YANZHAO**

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**Research Area**

High power electromagnetic environment and electromagnetic pulse; Power system electromagnetic transient phenomena and power equipment fault diagnosis; theory of electromagnetic compatibility and experimental techniques; compact pulsed power source and radiation physics applications; laser and optical fiber sensing



**张彦斌 ZHANG YANBIN**

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**Research Area**

Industrial intelligent control system; intelligent electric measuring instruments; industrial intelligent control and its application in electrical engineering; information fusion and intelligent detection theory and application

# ACADEMIC TEAM



**郑晓泉 ZHENG XIAOQUAN**

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**Research Area**

Application and testing technology of electrical insulation under extreme environment, power cable state detection technology and the insulation aging mechanism



**曹晖 CAO HUI**

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**Research Area**

Data Mining and Knowledge Discovery;  
Industrial Intelligent Control;  
Industrial Process Control and System Integration



**金海云 JIN HAIYUN**

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**Research Area**

Electrical functional materials and dielectric physics; insulation construction design

# ACADEMIC TEAM



**胡红利 HU HONGLI**

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## Research Area

1. Transducer, transmitter, signal detection and information processing;
  2. Power generation process and multiphase flow detection and control;
  3. Power equipment operation monitoring and fault diagnosis;
  4. Process control instrument and system (DCS, FCS);
  5. Tomographic scanning technology and application.
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**张勇 ZHANG YONG**

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## Research Area

Intelligent sensor system; Micrometer/nanometer sensor technology; Modern measurement and control instruments; Technology and application of gas discharge.

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**李彦明 LI YANMING**

## Personal Information

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## Research Area

Electric power equipment experiment, test and failure diagnosis technology; high voltage Testing Technology; digital measurement and digital signal processing technology

# ACADEMIC TEAM



**曹晓珑 CAO XIAOLONG**

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**Research Area**

Phenomenon of dielectric and its application; cable technology; Electrical insulation testing technology

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**唐任远 TANG RENYUAN**

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**Research Area**

Rare-earth permanent magnetmotor theory and development of technology

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**卓放 ZHUO FANG**

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**Research Area**

Power electronics technology; power quality control technology; harmonic suppression and reactive power compensation technology and micro-grid control technologies



# ACADEMIC TEAM



**丁晖 DING HUI**

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**Curriculum Vitae**

2004 Ph.D. in instrument science and technology in XJTU;

2009 Professor and Ph.D. supervisor in XJTU;

2006.10-2007.10 visiting scholar in University of Birmingham

**Publications, Patents and Awards**

10 or more publications in scientific journals, among which 7 were collected in SCI; declared and obtained 2 patents

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**张乔根 ZHANG QIAOGEN**

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**Research Area**

Gas-insulated and insulated structure design; nanosecond pulses with Plasmas;  
Insulation diagnosis of power equipment and life evaluation

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**王兆安 WANG ZHAOAN**

**Personal Information**

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**Research Area**

Power electronic converter technology, power quality control technology



# ACADEMIC TEAM



**王小华 WANG XIAOHUA**

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**Publications, Patents and Awards**

60 or more publications in scientific journals, among which 25 were collected in SCI and 20 in EI; won first prize of National Natural Science Award, second prize of National Science and Technology Progress Award, first prize of Technical Inventions Award; declared and obtained 8 patents; edited one book and Dictionary for Electrical Engineering.

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**张国钢 ZHANG GUOGANG**

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**Research Area**

Intelligent electrical theory and engineering; Arc plasma and electrical contacts; New energy power equipment

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**张钟华 ZHANG ZHONGHUA**

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**Research Area**

Precise electromagnetic measurement; quantum measurement standards