英文版导师简介 能动学院

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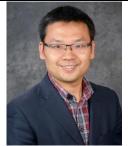
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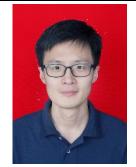
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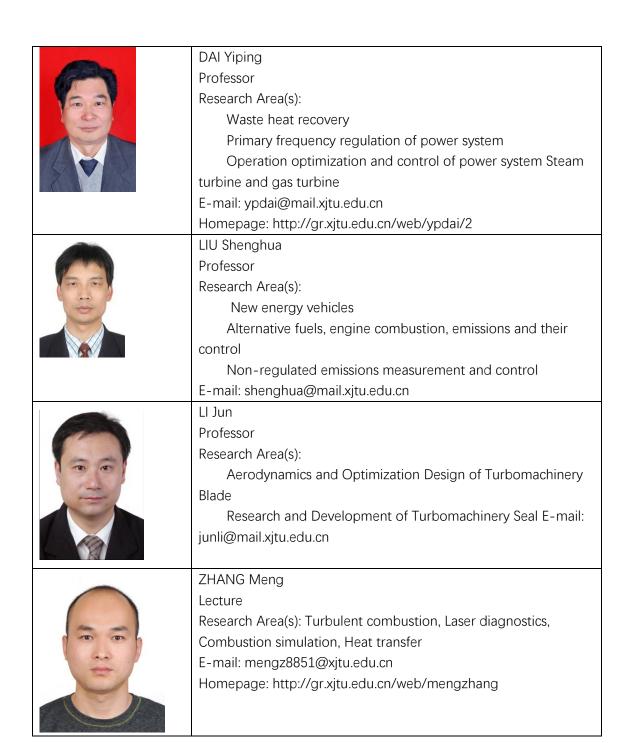
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Fluid Machinery and Engineering



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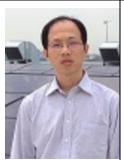
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Refrigeration and Cryogenic Engineering



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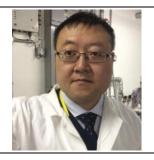
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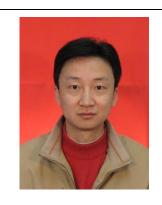
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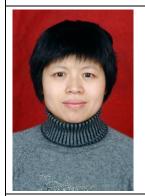


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- ♦ Nuclear reactor severe accident

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- 2) Adsorption of radionuclide at solid-liquid/gas interface
- 3) Computational chemistry, first principles and molecular dynamics

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WANG Pengfei

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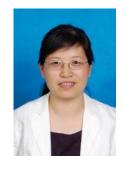
Research Area(s):

Nuclear Reactor Dynamics and Control

Dynamic Modelling and Simulation of Nuclear Power Plants Intelligent Autonomous Control of Nuclear Power Plants Fault Detection and Diagnosis of Nuclear Power Plants

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LIU Shuhuan

Professor

Research Area(s):

Nuclear Technology and Applications

- 1). Radiation detection and nuclear electronics
- 2) Radiation protection and dosimetry
- 3) Radiation effects on semiconductor material device/ integrated circuits and systems

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	Research Area(s):
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	applied in fission and fusion
	Computational simulation and experiment of irradiation
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	Fluid dynamics and heat transfer
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	Safety and thermalhudraulics analysis of nuclear reactors
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HU Huasi Professor

Research Area(s):

- Experimental nuclear physics
- Nuclear technology and applications
- Radiometry and radiation protection

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LU Chenyang

Professor

Research Area(s):

- Radiation damage of materials
- Advanced characterization of microstructures
- Preparation of nuclear structural materials
- Ion beam modification techniques
- Multi-scale material simulation

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Research Area(s): Nuclear thermal hydraulic experiments, Advanced nuclear system safety analysis, two-phase flow and

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ZHANG Dalin

Professor

Research Area(s): Nuclear thermal-hydraulics and safety analysis, Neutronics/thermal-hydraulics coupling and safety analysis of advanced nuclear systems

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Research Area(s): Nuclear reactor thermal-hydraulics analysis

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WANG Jie

Associate Professor

Research Area(s):

- 1. Mitigation of electron multipacting and e-cloud;
- 2. Non-evaporable getter (NEG) coating;
- 3. Surface analysis and characterization;
- 4. Vacuum system design for accelerators;
- 5. Shielding material;
- 6. Material corrosion

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HU GUANG

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Research Area(s): Nuclear Radiation Protect and Nuclear

technology and applications

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Environmental Engineering



YANG Shucheng

Professor/Associate Professor

Research Area(s): Anaerobic digestion of wastewater and sludge, biological treatment of industrial wastewater

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XU Hao

Associate Professor Research Area(s):

Preparation and Application of Titanium-based Metal Oxide Electrode; Removal of Organic Wastewater by Electrochemical Oxidation Technology; Water Quality Control Technology of Circulating Water System by Electrochemical Technology; Preparation and Functionalization of Anodes for Titanium

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Associate Professor

Research Area(s): PM2.5 source apportionment and air pollution chemical characteristics and effects on environment and human health

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Jidong Liang

Associate Professor

Research Area(s):

Anammox Biotechnology for nitrogen removal from wastewater;

Bioremediation of petroleum contaminated soil

Anaerobic digestion of organic waste

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YANG Honghui

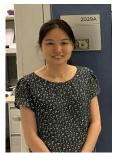
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RAO Yongfang

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LIU Hongxia

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Research Area(s):

- ♦ Plasma process for waste treatment
- ♦ Pollution prevention and control
- Environmental monitoring

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GAO Ningbo

Associate Professor

Research Areas:

- 1. Solid Waste Treatment and Resource Utilization;
- 2. Biomass/Coal Gasification, Pyrolysis and Pollutant Control;
- 3. Harmless and Resource Utilization of Oily Sludge;
- 4. Municipal Solid Waste Treatment and Energy Utilization;
- 5. Municipal/Industrial Sludge Treatment and Resource

Utilization

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QUAN Cui

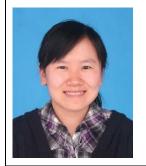
Associate Professor

Research Areas:

- 1. Thermochemical conversion and resource utilization technology of solid waste;
- 2. Oil production from coal/biomass by pyrolysis/co-pyrolysis;
- 3. Pyrolysis oil upgrading (catalytic hydrogenation, catalytic reforming) and resource utilization;
- 4. Carbon materials from biomass/coal and their application.

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Environmental chemistry & materials

Nano materials

Conducting polymer

Wastewater treatment

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