

英文版导师简介

能动学院

Table of Contents

Engineering Thermophysics	2
Thermal Energy and Power Engineering.....	9
Power Machinery and Engineering	23
Fluid Machinery and Engineering	30
Refrigeration and Cryogenic Engineering.....	37
Nuclear Science and Technology	45
Environmental Engineering	55

Engineering Thermophysics





	<p>CHENG Zedong Associate Professor Research Area(s): Renewable Energy, Solar Energy, Solar Thermochemical Fuel Production, Energy Storage, Desalination, Heat and Mass Transfer E-mail: zedongchneg@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zedongcheng/english</p>
	<p>HE Maogang Professor Research Area(s): Engineering Thermodynamic; Thermophysical Property of Fluid; Thermodynamic Cycle et. al E-mail: mghe@mail.xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/web/mghe/5</p>
	<p>ZHANG Ying Professor Research Area(s): Engineering Thermodynamic; Thermophysical Property of Fluid; Thermodynamic Cycle et. al E-mail: zhangying@mail.xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/web/zhangying</p>
	<p>YANG Jian Professor Research Area(s): Heat transfer; Particle flow; CFD Homepage: http://gr.xjtu.edu.cn/web/yangjian81/english-version</p>
	<p>LI Yinshi Professor Research Area(s): Fuel Cell; Flow Battery; Renewable Energy Storage; Solar Energy; Heat and Mass Transport E-mail: ysli@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/ysli</p>

	<p>LIU Xiangyang Associate Professor Research Area(s): Carbon dioxide capture;Molecular dynamics of liquid; Advanced thermodynamic cycle for low grade heat; Measurement technique for thermal properties E-mail: lxxyang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/lxxyang/home</p>
	<p>SONG Bo Associate Professor Research Area(s): Thermophysical Properties of Fluids E-mail: song.bo@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/song/en</p>
	<p>YANG Weiwei Professor Research Area(s): Fuel cell, Renewable energy, Energy storage E-mail: yangww@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yangww</p>
	<p>JI Wentao Associate Professor Homepage: http://gr.xjtu.edu.cn/web/wentaoji/wen-tao-ji3</p>
	<p>BI Shengshan Professor Research Area(s): Thermodynamics; Thermophysical Property of the fluid; New working fluids E-mail: bss@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/bss</p>

	<p>WANG Xueliang Associate Professor Research Area(s): Heat and mass transfer in PEMFCs; Material interface engineering; Electrical packaging materials. E-mail: xlwang082@mail.xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/web/xlwang082</p>
	<p>WU Jiangtao Professor Research Area(s): Thermophysics Properties of Fluids E-mail: jtwu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jtwu/7</p>
	<p>QU Zhiguo Professor Research Area(s): Heat transfer; Electrochemistry; Hyperthermia; Electrokinetics; Microfluidics and Nanofluidics E-mail: zgqu@mail.xjtu.edu.cn</p>
	<p>WU Yining Associate Professor Research Area(s): ✧ Heat transfer enhancement ✧ High efficient heat exchanger E-mail: ynwu@mail.xjtu.edu.cn</p>
	<p>TAO Yubing Professor Research Area(s): Thermal energy storage material and technology; Enhanced heat and mass transfer; Solar thermal utilization; Industrial waste heat recovery. E-mail: yubingtao@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yubingtao</p>





	<p>YANG Fuxin Associate Professor Research Area(s): Clean utilization of solid fuels (including coal, biomass and solid waste); Energy systems analysis and energy saving technologies E-mail: fxyang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/fxyang</p>
	<p>Tao , Wenquan Professor Research Area(s): Engineering Thermophysics E-mail: wqtao@mail.xjtu.edu.cn Homepage: http://nht.xjtu.edu.cn/</p>
	<p>Chen Li Professor Research Area(s): transport phenomena in porous media, fuel cell, oil/gas exploitation, LBM, multiscale simulation E-mail: lichennht08@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/lichennht0</p>
	<p>ZHAO Cunlu Professor Research Area(s): Micro- and Nano- Scale Transport Phenomena; Microfluidics; Thermal Management; Reverse Electrodialysis & Blue Energy; Advanced Oil & Gas Exploitation E-mail: mclzhao@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/mclzhao/home</p>
	<p>LIU Yingwen Professor Research Area(s): Thermal and fluid science; Enhanced Heat Transfer Technology and its application; Optimization of Thermal system; Refrigeration and Cryogenic engineering E-mail: ywliu@xjtu.edu.cn Homepage: http://ywliu.gr.xjtu.edu.cn</p>

	<p>LI Zengyao Professor Research Area(s): numerical modeling of macro- and micro-scale fluid flow and heat transfer; plasma flow; thermal management techniques; transport phenomena in laser and electron-beam heating. E-mail: lizengy@mail.xjtu.edu.cn</p>
	<p>TANG Guihua Professor Research Area(s): Micro/nanoscale heat and mass transfer and photo-thermo-electric coordinated conversion with applications in solar energy, thermoelectrics materials, nanoporous thermal insulating materials, water harvesting from mist and condensation heat transfer. E-mail: ghtang@mail.xjtu.edu.cn Homepage: http://ghtang.gr.xjtu.edu.cn</p>
	<p>MA Ting Associate Professor Research Area(s): heat transfer enhancement under high temperature and high pressure conditions, printed circuit heat exchanger, high temperature heat exchanger, thermoelectric power generator, computational fluid dynamics and numerical heat transfer. E-mail: mating715@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/mating715</p>
	<p>WANG Qiuwang Professor Research Area(s): heat transfer enhancement and its applications, high-temperature/high-pressure heat transfer and fluid flow, transport phenomena in porous media, numerical simulation, prediction & optimization E-mail: wangqw@mail.xjtu.edu.cn Homepage: http://chex.xjtu.edu.cn; http://wangqw.gr.xjtu.edu.cn ResearcherID http://www.researcherid.com/rid/F-7711-2010 ORCID: https://orcid.org/0000-0001-9664-7121</p>

	<p>MENG Xianyang Professor Research Area(s): Thermophysical Properties of Fluids E-mail: xymeng@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xymeng</p>
	<p>CHEN Lei Senior engineer Research Area(s): Heat design, management, and enhancement ; Multiscale simulations method ; Energy-efficiency evaluation and energy economics. E-mail: chenlei@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chenlei</p>
	<p>ZENG Min Professor Research Area(s): Enhanced heat transfer, Compact heat exchangers, and Numerical heat transfer. E-mail: zengmin@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zengmin</p>
	<p>HE Yaling Professor Research Area(s):</p> <ul style="list-style-type: none"> ✧ The principles of numerical predictions of heat transfer and fluid flow processes and the related efficient numerical methods ✧ Renewable energy and fuel cells. ✧ Heat Transfer Enhancement and High efficient heat exchangers ✧ Micro/nano scale heat and mass transfer <p>E-mail: yalinghe@mail.xjtu.edu.cn</p>





	<p>WANG Xiaopo Associate Professor Research Area(s): Thermophysical Properties of Fluids Alternative Refrigerants Refrigeration cycle and system optimization E-mail: wangxp@mail.xjtu.edu.cn</p>
	<p>ZHANG Jianfei Associate Professor Research Area(s): Heat and Mass Transfer Enhancement Theory and Technology Thermal Management in High-Tech Fields Efficient Heat Exchange Equipment Development and Energy Efficiency Evaluation Efficient Development and Utilization of New Energy E-mail: zhangjf@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhangjf</p>

Thermal Energy and Power Engineering





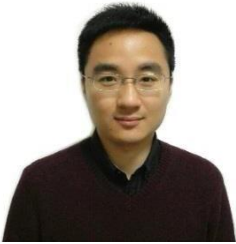
	<p>LIANG Zhiyuan Associate Professor Research Area(s): Environmental behavior of high-temperature structural metals and alloys E-mail: liangzy@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liangzy</p>
	<p>JIN Hui Professor Homepage: http://gr.xjtu.edu.cn/web/jinhui/english</p>
	<p>WANG Xuebin Associate Professor Research Area(s): Combustion and pollutant control E-mail: wxb005@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wxb005/english-version</p>
	<p>SHI Jinwen Associate Professor Research Area(s): Solar energy and hydrogen, energy Materials for energy conversion, Photocatalysis E-mail: Jinwen_shi@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jinwen_shi</p>

	<p>SUN Chengzhen Associate Professor Research Area(s): Nanofluidics, Multiphase flow E-mail: sun-cz@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/sun-cz/</p>
	<p>CAO Changqing Associate Professor Research Area(s): (1) Biomass energy; (2) Hydrothermal gasification of biomass and organic wastes; (3) Thermodynamic analysis; (4) Catalysts for energy conversion E-mail: cq.cao@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/cq.cao/home https://www.researchgate.net/profile/Changqing_Cao</p>
	<p>CHEN Bin Professor Research Area(s): Bio-Heat Transfer E-mail: chenbin@mail.xjtu.edu.cn Homepage: http://chenbin.gr.xjtu.edu.cn/</p>
	<p>CHEN Qingyun Associate Professor Homepage: http://gr.xjtu.edu.cn/web/qychen/english-version</p>
	<p>LEI Xianliang Associate Professor Research Area(s): ➤ Heat and Mass transfer of Supercritical Fluids ➤ Advanced supercritical fluid power cycle ➤ Numerical simulation of two-phase flow E-mail: xianlianglei@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xianlianglei</p>





	<p>XU Donghai Professor Research Area(s): Biomass, Hydrogen energy, Supercritical Water Technology, Low Temperature Heat utilization, Pollutant Control. E-mail: xudonghai@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xudonghai</p>
	<p>SHEN Shaohua Professor Homepage: http://ircr.xjtu.edu.cn/shen/content/group.html#professors</p>
	<p>HUANG Jianbing Associate Professor Research Area(s): Solid State Ionics (Nanoionics, Semiconductor Ionics), New Energy Materials, Advanced Ceramic Fuel Cells, Catalytic Hydrogen Production from Biomass E-mail: huangjb@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/huangjb</p>
	<p>NIU Yanqing Associate Professor Research Area(s):</p> <ul style="list-style-type: none"> ➤ Experiment and kinetic research on char combustion and PM formation; ➤ Biomass ash related problems during combustion with experiment and modeling; ➤ Biomass pretreatment, combustion, co-combustion, gasification...; ➤ Emission Control during Combustion (NO_x, SO_x, PM, etc.) <p>E-mail: yqniu85@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yqniu;</p>

	<p>LI Gen Associate Professor Research Area(s): Nuclear Reactor Thermal Hydraulics, Multiphase Flow Simulation, Solar Thermal Power Plant E-mail: gen.li@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/gen.li</p>
	<p>LI Liangxing Associate Professor Research Area(s): Multiphase Flow and Heat Transfer; Transport Phenomena in Porous Media; Flow Boiling and Heat Transfer Enhancement; Nuclear Power Safety and Thermal-Hydraulic; E-mail: liangxing.li@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liangxing.li/</p>
	<p>LI Yanhui Associate Professor Research Area(s): Corrosion and protection; Energy conservation and environment protection; Supercritical fluid technologies; Electrochemistry; Combustion Email: yhli19@mail.xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/web/yhli19/english-cv</p>
	<p>DENG Lei Associate Professor Research Area(s): Thermal Conversion and Utilization of Biomass Combustion of Fossil Fuels and Pollutant Emission Control Boiler and Heat Exchanger Design Comprehensive Utilization of Low-grade Heat Energy Email: leideng@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/leideng</p>

	<p>LIU Maochang Professor Research Area(s): Solar H2 production; Material synthesis; Photocatalysis; Photothermal conversion E-mail: maochangliu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/maochangliu/home</p>
	<p>WANG Chang'an Associate Professor Research Area(s): Clean and efficient utilization of solid fuels; Emission control; Ash deposition and slagging in boiler; CO2 capture and storage; Utilization of waste energy; CFD simulation E-mail: changanwang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/changanwang</p>
	<p>LI Mingtao Associate Professor Research Area(s): Modeling , Simulation, Optimization and Control for Integrated Energy System Density Functional Theory Calculations for Energy Related Materials and Catalysis E-mail: mingtao@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/mingtao</p>
	<p>Wang Zhenzhen Associate Professor Research Area(s): laser diagnostics, measurement and optimal control of thermal power plant E-mail: zhenzhen-wang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhenzhen-wang/home</p>
	<p>YANG Dong Professor Research Area(s): Multiphase Flow and Heat Transfer, Supercritical Boiler, Molten Salt Solar Tower & Parabolic Trough Solar Plant System, Compact & Enhanced Heat Exchanger E-mail: dyang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/dyang</p>

	<p>TAN Houzhang Professor Research Area(s):</p> <ul style="list-style-type: none"> ➤ Emission control of combustion ➤ Optimization of coal combustion in power plant ➤ Biomass utilization (combustion/gasification/ashing /slagging) ➤ Fluid engineering in power plant <p>E-mail: tanhz@xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/en/web/tanhz/9</p>
	<p>WANG Jinshi Associate Professor Research Area(s): phase change heat transfer; thermal system; distributed energy system E-mail: wangjinshi@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jinshiwang</p>
	<p>XIONG Xiaohe Lecturer Research Area(s): Low NO_x coal combustion, High temperature corrosion, Shock tube design research E-mail: xiongxh@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/tanhz</p>
	<p>SU Jinzhan Associate Professor Research Area(s): Renewable Energy E-mail: j.su@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/sujinzhan</p>
	<p>Chen Yubin Associate Professor Research Area(s): energy and mass transfer in new energy conversion, photocatalysis, water splitting, and solar cell. E-mail: ybchen@mail.xjtu.edu.cn Homepage: https://www.researchgate.net/profile/Yubin_Chen3</p>



	<p>WANG Shuzhong Professor Research Area(s):</p> <ol style="list-style-type: none"> 1.Supercritical Fluid Technologies; 2.Multiphase Flow and Heat transfer; 3.Frontier Combustion Technologies; 4.Municipal Solid Waste Treatment; 5.Energy-Saving Technologies ; 6.New Energy; <p>E-mail: szwang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/szwang/englis</p>
	<p>WANG Denghui Associate Professor Homepage: https://gr.xjtu.edu.cn/web/denghuiwang1989/english-version2</p>
	<p>LIU Yinhe Professor Research Area(s):</p> <ul style="list-style-type: none"> ● Biomass/coal Gasification/combustion, emission control and optical diagnostics ● Combustion of low concentration gases ● Two-phase flow and heat transfer ● Design and analysis of advanced power cycle ● Waste to energy <p>E-mail: yinheliu@mail.xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/en/web/yinheliu/english-version</p>
	<p>LIU Jiping Professor Research Area(s): Energy saving, Thermal system simulation and control; Thermodynamic system optimization; Two phase flow</p> <p>E-mail: liujp@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liujp (Chinese) https://www.researchgate.net/profile/Jiping_Liu4 (English)</p>





	<p>CHEN Weixiong Professor Research Area(s): Two phase flow; Enhanced heat transfer; Thermodynamic system optimization; Numerical study E-mail: chenweixiong@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chenweixiong (Chinese) https://www.researchgate.net/profile/Weixiong_Chen2 (English)</p>
	<p>YAN Junjie Professor, Dean of School of Energy and Power Engineering, National Science Fund for Distinguished Young Scholars, Changjiang Scholars. Research Area(s): Energy saving, Thermal system simulation and control; Thermodynamic system optimization; Two phase flow E-mail: yanjj@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yanjj (Chinese) https://www.researchgate.net/profile/Junjie_Yan2 (English)</p>
	<p>CHONG Daotong Professor Research Area(s): Thermal power plant, Two-phase flow, Steam condensation E-mail: dtchong@xjtu.edu.cn Homepage: https://www.researchgate.net/profile/Daotong_Chong</p>
	<p>WANG Haijun Professor Research Area(s): 1. Multiphase flow and heat transfer 2. Supercritical pressure fluid flow with heat transfer 3. Heat transfer enhancement E-mail: whj@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/whj</p>

	<p>QIU Binbin Associate Professor Research Area(s): Two phase flow, Heat and mass transfer, Thermodynamic system calculation E-mail: qiubinbin@mail.xjtu.edu.cn Homepage: http://epe.xjtu.edu.cn/info/1024/9291.htm</p>
	<p>ZHOU Qulan Professor Research Area(s): Thermal Engineering E-mail: qlzhou@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/qlzhou/1</p>
	<p>LIU Ming Professor Research Area(s): Intelligent power station; thermal control; thermodynamics; CFD E-mail: ming.liu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/ming.liu</p>
	<p>ZHOU Zhifu Associate Professor Research Area(s): spray and atomization, multiphase flow and heat and mass transfer, and their applications in a wide range of industries including heat dissipation management for ultra-high power electronics and cryogen spray cooling in laser dermatology. E-mail: zfzhou@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zfzhou https://www.researchgate.net/profile/Zhifu_Zhou2</p>

	<p>LIU Zhaohui Associate Professor Homepage: http://gr.xjtu.edu.cn/web/zh_liu/english</p>
	<p>LI Dong Associate Professor Research Area(s): Bioheat transfer; Laser dermatology; Photoacoustic image; Nano-Optics E-mail: lidong@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/lidong</p>
	<p>Li Huixiong Professor Research Area(s): Multiphase flow and heat transfer, Numerical simulation of two-phase flows, Heat transfer of supercritical pressure fluids, Nuclear reactor thermohydraulics and safety analysis E-mail: huixiong@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/huixiong</p>
	<p>ZHAO Qinxin Professor Research Area(s): Thermal energy engineering Environmental behaviors of materials Gas-solid multiphase Flow and combustion Pollutants Removal and Regeneration Technology E-mail: zhaoqx@mail.xjtu.edu.cn</p>
	<p>GUO Liejin Professor Research Area(s): Multiphase flow and heat mass transfer Solar thermal utilization Hydrogen production from solar and biomass E-mail: lj-guo@mail.xjtu.edu.cn</p>
	<p>CHE Defu Professor Research Area(s):</p>

	<p>Multiphase flow and heat mass transfer Solar thermal utilization Hydrogen production from solar and biomass E-mail: dfche@mail.xjtu.edu.cn</p>
	<p>WANG Yueshe Professor Research Area(s): Gas-liquid/Steam-water Two-phase Flow and Heat Transfer; New Energy and Solar Energy High-efficient Thermal Utilization; Tower Solar Power Technology; Multiphase Flow and Measurement Technology in Gas-oil Transport and Storage Industry; Flow and Heat Transfer in the Manufacturing Process of Metal Foam Materials. E-mail: wangys@mail.xjtu.edu.cn</p>
	<p>BAI Bofeng Professor Research Area(s): Multiphase flow in petroleum engineering Phase change phenomena Microfluidics with bioparticle E-mail: bfbai@mail.xjtu.edu.cn</p>
	<p>WU Dongyin Professor Research Area(s): Gas-liquid two-phase flow and heat transfer Rheology and atomization characteristics of liquid fuel Wind power generation Operation diagnosis of power station boiler E-mail: dongyinwu@mail.xjtu.edu.cn</p>
	<p>ZHAO Liang Professor Research Area(s): Multiphase Flow & Heat Transfer Solar Thermal Engineering Hydrogen Energy Production and Application</p>

	<p>E-mail: lzha@mail.xjtu.edu.cn</p>
	<p>LV Youjun Professor Research Area(s): Solar Hydrogen Production, Solar thermal Utilization Biomass Gasification in Supercritical Water Multiphase Flow, Heat and Mass Transfer E-mail: yjlu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yjlu/4</p>
	<p>JING Dengwei Professor Research Area(s): Solar energy conversion and utilization Modeling and design of solar reactors Materials for energy conversion E-mail: dwjing@mail.xjtu.edu.cn</p>
	<p>LIU Lei Professor Research Area(s): Multiphase Flow in Petroleum Engineering Multiphase Flow Measurement Drag Reduction of Multiphase Flow E-mail: rliu@mail.xjtu.edu.cn</p>
	<p>TU Shan Associate Professor Research Area(s): Thermodynamics; Thermal system E-mail: tushan@mail.xjtu.edu.cn</p>

	<p>GU Hongfang Professor Research Area(s): Supercritical fluid flow and heat transfer; Mechanical analysis of high temperature and pressure vessel and piping ; Key technologies and the natural environment influence on the direct and in-direct air cooled power plant. E-mail: ghf@mail.xjtu.edu.cn</p>
	<p>LI Na Associate Professor Research Area(s): Clean Combustion; Pollution Control in Combustion; Multi-flow and Heat Mass Transfer; Properties of Metal Materials at High Temperature E-mail: lyna@mail.xjtu.edu.cn Homepage: http://lyna.gr.xjtu.edu.cn/</p>
	<p>WANG Limin Associate Professor Research Area(s): Heat transfer enhancement; Compact heat exchanger design; Supercritical CO2 Brayton cycles; Heat pump systems E-mail: liminwang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liminwang</p>
	<p>JING Zefeng Lecturer Research Area(s): Foam Structure, Foam flowing E-mail: zefeng@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zfjing</p>



GUO Yang

Associate Professor




Research Interest(s):



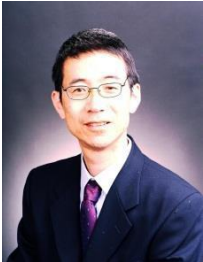
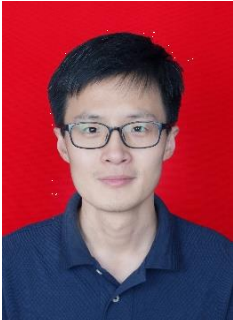
1. Renewable energy production based on supercritical fluids.
2. Bio-oil production and upgrading from microalgae under hydrothermal condition.
3. Kinetics study and catalytic process.



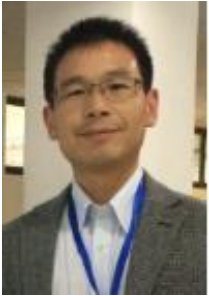


E-mail: guoyang@xjtu.edu.cn

Homepage: <http://gr.xjtu.edu.cn/web/guoyang>

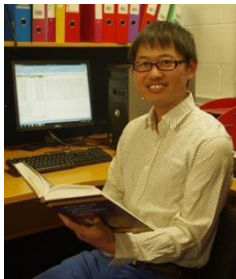



Power Machinery and Engineering

	<p>LI Xiangsheng Associate Professor Research Area(s): Fluid dynamics, heat transfer and combustion in power equipment, with particular applications on gas turbine combustor</p> <ul style="list-style-type: none">✧ Emissions, combustion dynamics and control of gas turbine combustor✧ Optimization techniques for combustor design✧ Combustion characters of gas turbine fuel flexibility <p>E-mail: lixs@mail.xjtu.edu.cn</p>
	<p>Xie Yonghui Professor Research Area(s): Structural stress and vibration analysis of power equipment; Turbomachinery aerothermodynamics and erosion characteristics of turbine blade; Renewable energy and advanced energy systems; Flow and heat transfer mechanism with its application; Large-scale high-speed algorithm and artificial intelligence application</p> <p>E-mail: yhxie@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yhxie</p>
	<p>DENG Qinghua Associate Professor Research Area(s):</p> <ul style="list-style-type: none">● Cooling and Conjugate Heat Transfer for Gas Turbine Blade● Thermodynamic Cycle and Turbine Design Optimization for Supercritical CO₂ Power Cycle● Aerodynamics and Profile Optimization for Special Turbomachinery <p>E-mail: qhdeng@mail.xjtu.edu.cn Homepage: http://qhdeng.gr.xjtu.edu.cn</p>

	<p>ZHU Guangyu Assistant Professor Research Area(s): Fluid structure interaction, Fluid dynamics, Machine learning in medical imaging E-mail: zhuguangyu@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhuguangyu</p>
	<p>XI Huan Associate Professor Research Area(s): waste heat recovery system, renewable energy utilization system and thermal management system E-mail: huanxi@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/huanxi or https://orcid.org/0000-0003-2255-6205</p>
	<p>HUANG Zuohua Professor Homepage: http://gr.xjtu.edu.cn/web/zhuang</p>
	<p>LI Qianqian Associate Professor Research Area(s): Pollutant formation mechanism; Combustion of alternative fuels; Performance of different combustion units E-mail: qianqianli@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/qianqianli</p>
	<p>WEI Yanju Associate Professor Research Area(s): Clean Fuel Engines , Combustion and Emission Control, Combustion Physics, Microfluid E-mail: weiyanju@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/weiyanju</p>


	<p>GAO Zhongquan Associate Professor Research Area(s): Solid waste recycling E-mail: gaozq@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/gaozq</p>
	<p>Ying Wang Professor Research Area(s): advanced combustion; alternative fuels ; engine E-mail: yingw@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yingw</p>
	<p>WANG Jinhua Professor Homepage: http://gr.xjtu.edu.cn/web/jinhuawang/home</p>
	<p>LI Liang Associate Professor Research Area(s): Aerothermodynamics of Turbomachinery, Gas Turbine Blade Cooling Technology, Two-phase Flow in Steam Turbine E-mail: liliang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liliang</p>
	<p>HU Erjiang Professor Research Area(s): Alternative fuels of internal combustion engine and aeroengine ; Ignition mechanism and control of advanced engine ; Combustion mechanism and control of advanced engine ; Combustion spectral diagnosis ; Battery thermal management of new energy vehicles. E-mail: hujiang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/hujiang</p>

	<p>LIU Zhao Associate Professor Research Area(s): Aerothermodynamics of turbomachinery, Cooling technology for Gas Turbine hot part, E-mail: liuzhao@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liuzhao</p>
	<p>WANG Xibin Associate Professor Research Area(s): Numerical Simulation, Strength and Vibration of Internal Combustion engine E-mail: xbwang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xbwang</p>
	<p>HUANG Yongcheng Associate Professor Research Area(s): Numerical simulation of working process of Internal Combustion Engines; Alternative fuels in Internal Combustion Engines; Spray and atomization E-mail: huangyc@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/huangyc</p>
	<p>LI Zhigang Associate Professor Research Area(s): Advanced Sealing Technique in Turbomachinery; Gas Turbine Aerodynamic, Heat Transfer and Film Cooling E-mail: zhigangli@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhigangli</p>
	<p>ZHAO Pan Associate Professor Research Area(s): Compressed gas energy storage; Energy system modeling, dynamic and control; Deep learning in power system E-mail: panzhao@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/panzhao</p>

	<p>ZHANG Yingjia Professor Research Area(s): Chemical kinetic modeling of engine fuels, Combustion chemistry, Fuel design and application for combustion propulsion, Auto-ignition in multiphase reacting flow, Laser absorption in homogeneous flow combustion, NOx/SOx/soot formation mechanism E-mail: yjzhang_xjtu@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yjzhang_xjtu</p>
	<p>YAN Xin Professor Research Area(s): Turbomachinery Aerodynamics, Heat Transfer and Film Cooling E-mail: xinyan@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xinyan</p>
	<p>GAO Tieyu Professor Research Area(s): Flow and Heat Transfer of Two-phase flow, Gas Turbine Blade Cooling, Ocean Thermal Power Generation E-mail: sunmoon@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/sunmoon</p>
	<p>TANG Chenglong Professor Research Area(s): Dynamics of spray and droplet interactions Combustion chemistry, aerodynamics of laminar flames, Ignition, flame propagation and extinction phenomenon in complex combustion scenarios, Combustion and interactions of droplets and spray E-mail: chenglongtang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chenglongtang</p>





	<p>YANG Bo Associate Professor Research Area(s): Combustion performance and emissions characteristics of a diesel/natural gas dual-fuel engine; Electronic control unit of engine; Alternative fuel combustion E-mail: boyang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/boyang/home</p>
	<p>LIU Bing Assistant Professor Research Area(s): Electronic control system of engine; E-mail: bingliu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/bingliu/home</p>
	<p>YUAN Qi Professor Research Area(s): Fracture mechanics and fatigue life analysis for turbomachinery Stability and reliability analysis of wind turbine Bio-fluid application E-mail: qyuan@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/qyuan</p>
	<p>JIANG Xue Associate Professor Research Area(s): Clean combustion of traditional and alternative transportation fuels E-mail: xuejiang1128@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xuejiang1128</p>
	<p>FENG Zhenping Professor Research Area(s): Turbomachinery aerodynamics, Gas turbine/aero engine cooling technology, Conjugate heat transfer, Optimization method for turbomachinery aerodynamics and heat transfer, Micro-turbine and distributed energy. E-mail: zpfeng@mail.xjtu.edu.cn Homepage: http://www.xjtu.edu.cn/jsnr.jsp?urltype=tree.TreeTempUrl&wbtre</p>

	eid=1632&wbwbxjtuteacherid=89
	<p>SONG Liming Professor Research Area(s): Multidisciplinary Design Optimization; Data mining; Uncertainty Quantification and Uncertainty-Based Design Optimization E-mail: songlm@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/songlm</p>
	<p>WANG Jiangfeng Professor Research Area(s): Low-grade heat source conversion, Renewable energy utilization, Distributed energy system E-mail: jfwang@mail.xjtu.edu.cn</p>
	<p>DAI Yiping Professor Research Area(s): Waste heat recovery Primary frequency regulation of power system Operation optimization and control of power system Steam turbine and gas turbine E-mail: ypdai@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/ypdai/2</p>
	<p>LIU Shenghua Professor Research Area(s): New energy vehicles Alternative fuels, engine combustion, emissions and their control Non-regulated emissions measurement and control E-mail: shenghua@mail.xjtu.edu.cn</p>
	<p>LI Jun Professor Research Area(s): Aerodynamics and Optimization Design of Turbomachinery Blade Research and Development of Turbomachinery Seal E-mail: junli@mail.xjtu.edu.cn</p>





	<p>ZHANG Meng Lecture Research Area(s): Turbulent combustion, Laser diagnostics, Combustion simulation, Heat transfer E-mail: mengz8851@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/mengzhang</p>
---	--

Fluid Machinery and Engineering





	<p>ZHANG Chuhua Professor Research Area(s): fluid machinery flow theory and design method, parallel CFD, aerodynamics and thermodynamics of gas turbine, renewable energy, biological fluid flow Email: chzhang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chzhang/8</p>
	<p>ZHANG Xiongwen Professor Research Area(s): fuel cells, batteries/electric vehicles, smart grid/microgrid, integrated energy system E-mail: xwenz@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xwenz/english</p>
	<p>LI Ping Associate Professor Research Area(s): Fluid mechanics and thermodynamics of turbomachinery, Flow control, Heat transfer enhancement E-mail: pingli@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/pingli</p>
	<p>ZHANG Di Professor Research Area(s): Structural stress and vibration analysis of power equipment; Turbomachinery aerothermodynamics and erosion characteristics of turbine blade; Renewable energy and advanced energy systems; Flow and heat transfer mechanism with its application; Large-scale high-speed algorithm and artificial intelligence application E-mail: zhang_di@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhang_di</p>

	<p>LIN Mei Professor Research Area(s): High-speed train ventilation and heat exchange system ; Phase change cooling of high power electronic devices ; Flow mixing in ships and offshore platforms ; Enhanced heat transfer technology for high-efficient heat exchangers ; Flow and heat transfer in microchannel E-mail: janeylinm@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/janeylinm</p>
	<p>HE Kun Associate Professor Research Area(s): Flow and heat transfer in turbomachinery, aerodynamics and optimization design, cooling in gas turbine E-mail: hekun@mail.xjtu.edu.cn Homepage: hekun.gr.xjtu.edu.cn</p>
	<p>GONG Jianying Associate Professor Research Area(s):refrigeration and cryogenic; heat and mass transfer characteristics E-mail: gongjianying@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jane</p>
	<p>LIU Xiaomin Professor Research Area(s): Optimal Design of Fluid Machinery; Flow Control; Bionics and Its Applications; Aerodynamic and Vibration Noise Reduction E-mail: liuxm@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liuxm</p>

	<p>SUN Zhongguo Professor Research Area(s): Computational fluid dynamics ; Theory and experimental study of the flow in fluid machinery ;Ocean energy science, technology and engineering E-mail: sun.zg@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xjtuszg/welcome;jsessionid=DFC3DE5CCA30D155F3FCE077313FCE67</p>
	<p>WANGN Huanran Professor Research Area(s): Energy Storage Technology (CAES) Life Cycle Assessment for Energy systems High Speed Flow and Flow Drag Reduction Energy Systems Construction E-mail: huanran@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/huanran</p>
	<p>LI Jingyin Professor Homepage: http://gr.xjtu.edu.cn/web/jyli</p>
	<p>LIU Haihu Professor Research Area(s): Multiphase flow, Computational Fluid Dynamics, Droplets & Bubbles, Turbomachinery & Fluid Engineering E-mail: haihu.liu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/haihu.liu/english-version</p>




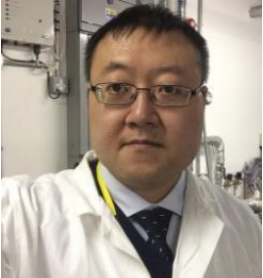
	<p>QIN Guoliang Professor: Research Area(s): High precision numerical simulation method for fluid flow/Computational aero acoustics/ Internal flow analysis of fluid machinery/ Fluid machinery optimization design E-mail: glqin@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/glqin</p>
	<p>GONG Wuqi Professor. Research Area(s): Study on the aerodynamics principles in the fluid machinery. The testing method study on the fluid machinery flow and performance. Product design and develop study on the high performance centrifugal fan and compressor. E-mail: wqgong@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wqgong/1</p>
	<p>ZHANG Jiazhong Professor Research Area(s): My current research focuses on Lagrangian coherent structure for unsteady flow and combustion; Lobe dynamics; Targeted energy transfer; Localization of energy; Resonance energy exchange; The dynamics and the reduction of the continuum dynamic system with infinite-dimension based on the Inertial Manifold theories; Instability, bifurcation, the spatiotemporal pattern formation for the complex fluid mechanics and combustion; The nonlinearity and singularity of N-S equation and the route to turbulence. E-mail: jzzhang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jzzhang/3</p>
	<p>XI Guang Professor Research Area(s): Turbomachinery Aerodynamics and Design, Computational Fluid Dynamics, Energy Storage System, and Micro Gas Turbine E-mail: xiguang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xiguang</p>



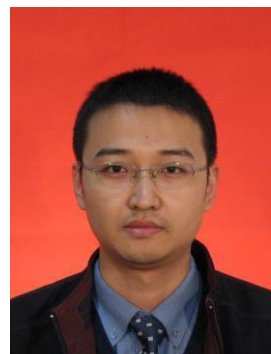

	<p>WANG Zhiheng Associate Professor Research Area(s): Compressor Aerodynamics and Design, Flow Control E-mail: wangzhiheng@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wangzhiheng</p>
	<p>FU Lei Associate Professor Research Area(s): Distributed/Portable Energy System, Aerodynamics of Turbomachinery, Design and optimization of high efficiency centrifugal pump, Passive vibration absorption technology E-mail: leifu@mail.xjtu.edu.cn</p>
	<p>LI Guojun Professor Research Area(s): Aerodynamic thermodynamics and fluid dynamics of turbomachinery , Two-phase flow and turbulence of turbomachinery , Computational fluid dynamics , Modern design techniques for vane pumps、 Internal flow characteristics and design method of liquid-solid two-phase flow in pumps , Control and simulation of solid oxide fuel cell and its hybrid system E-mail: liguojun@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liguojun</p>
	<p>GUO Penghua Associate Professor Research Area(s): Solar thermal utilization; Spray evaporation; Marine current energy E-mail: penghuaguo@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/penghuaguo</p>
	<p>LIU Lijun Professor Research Area(s): Computational fluid dynamics and numerical heat transfer; Technologies and process modeling in crystal growth and solidification; Solar cell materials and photovoltaic technologies; Fluid machinery and system design E-mail: ljiu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/ljiu</p>

	<p>CHEN Xuejiang Associate Professor Research Area(s): Bulk crystal growth for semiconductor, optical and solar cell materials Computational Fluid Dynamics (CFD) and Numerical Heat Transfer (NHT) Optimization computation and design for fluid machinery and noise reduction for fan E-mail: xjchen@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xjchen/1</p>
	<p>SUN Jinju Professor Research Area(s): Low-grade industrial waste energy recovery Turbomachinery flow and optimal design Computational fluid dynamics method E-mail: jjsun@mail.xjtu.edu.cn</p>
	<p>JU Yaping Associate Professor Research Area(s): Flow theory and design optimization of turbo compressors; Uncertainty quantification method and its application to fluid machinery E-mail: yapingju@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yapingju</p>
	<p>CHEN Rugang Associate Professor Research Area(s): Miniature high speed turbo-machinery Theoretical and experimental study of high speed gas bearing Reverse Brayton Cycle refrigerator and heat transfer Analysis of industrial energy efficiency and study of energy-saving E-mail: crgpd@mail.xjtu.edu.cn</p>

	<p>ZHANG Yiyun Associate Professor Research Area(s): Theory and experimental study on fluid machinery energy saving; Research on test technology of fluid machinery; Research of the portable intelligent test system of fluid machinery; Research of the application software for ventilation. E-mail: zyyun@mail.xjtu.edu.cn</p>
	<p>LI Zaoyang Associate Professor Research Area(s): 1. Photovoltaic power generation technology 2. Semiconductor crystal growth technology 3. Flow theory and system energy saving in fluid machinery 4. Numerical heat transfer and computational fluid dynamics E-mail: lizaoyang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/lizaoyang</p>
	<p>HUANG Zhu Associate Professor Research Area(s): High order and high accurate numerical methods in CFD; Flow instability analysis, nonlinear transient growth and flow transition; Turbulence simulations including DNS, LES and RANS Artificial Neural Networks and Operators E-mail: zhuhuang@mail.xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/zh/web/huangzhu</p>





Refrigeration and Cryogenic Engineering

	<p>YU Jianlin Professor Research Area(s): Refrigeration & Air-conditioning Technology; Heat Pump Technology; Thermoelectric Refrigeration Technology; E-mail: yujl@mail.xjtu.edu.cn</p>
	<p>QIAN Suxin Associate Professor Research Area(s): Solid-state cooling, high efficient refrigeration technologies E-mail: qiansuxin@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/qiansuxin/cv</p>
	<p>FENG Jianmei Associate Professor Research Areas: Hydrogen Recirculation System and Its Key Components ; Numerical Simulation of Flow and Heat Transfer in Compressor System ; Research on Gas Liquid Separation Process and the Separator Development ; Gas Pulsation and Piping Vibration in Compressor and Pump System E-mail: jmfeng@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jmfeng</p>
	<p>HOU Yu Professor Homepage: http://gr.xjtu.edu.cn/web/yuhou/my-cv</p>





	<p>YU Xiaoling Associate Professor Research Area(s): Compressor Technology, Thermal management of electronics E-mail: xlingyu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xlingyu</p>
	<p>WU Weifeng Associate Professor Research Area(s): Compressor and reigrigerating technologies; Expander and energy recover technologies; Mechanical vapour generating and compressor technologies; Fault diagnosis for reciprocating compressors based on AI E-mail: weifengwu@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/weifengwu</p>
	<p>PU Liang Associate Professor Research Area(s): 1, Related researches for Ground Source Heat Pump (GSHP); 2, Related researches for Phase Change Material (PCM); 3, Spreading pool boiling and cryogenic dispersion processes under cryogenic liquid releasing. E-mail: puliang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/puliang</p>
	<p>XING Ziwen Professor Research Area(s): Refrigeration & Compressors E-mail: zwxing@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zwxing</p>

	<p>WANG Lei Associate Professor Research Area(s): Cryogenic Heat Transfer and Fluid Mechanics, Liquid Hydrogen Management and Application E-mail: wanglei-epe@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wanglei-epe</p>
	<p>LAI Tianwei Associate Professor Research Area(s): Cryogenic engineering and refrigerating technology E-mail: laitianwei@mail.xjtu.edu.cn Homepage: laitianwei.gr.xjtu.edu.cn</p>
	<p>ZHANG Xingqun Associate Professor Research Area(s): Refrigeration technology E-mail: xqzhang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yuhou</p>
	<p>LI Yanzhong, Professor Research Area(s):</p> <ul style="list-style-type: none"> ▪ Thermodynamic cycle and thermal physic process of refrigeration and cryogenic systems ▪ The performance of flow and heat transfer of refrigeration and cryogenic fluid ▪ Air separation and comprehensive utilization of cold energy ▪ Flow and Thermal management of cryogenic propellants in terrestrial and low-g environments <p>E-mail: yzli-epe@mail.xjtu.edu.cn</p>
	<p>CHEN Liang Associate Professor Research Area(s): cryogenic heat transfer, micro/nano heat transfer, electronic cooling, cryocoolers E-mail: liangchen@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/liang/home</p>

	<p>Wen Jian Professor</p> <p>Research Area(s):</p> <ol style="list-style-type: none"> 1、 Coupled reinforcement transmission in flow, heat transfer and mass transfer of multiphase fluids 2、 Optimal design of new type heat exchangers with high performance 3、 The CFD simulation on coupled process of multi-physical fields in heat, flow, solid and sound 4、 System design of refrigeration and heat pump based on environment friendly refrigerants with low carbon 5、 Large-scale industrial elimination of PM1.0 6、 Biological fluid mechanics <p>E-mail: jianwen@xjtu.edu.cn</p> <p>Homepage: http://gr.xjtu.edu.cn/web/jianwen</p>
	<p>TAN Hongbo</p> <p>Associate Professor</p> <p>Research Area(s):</p> <ul style="list-style-type: none"> • Analysis and optimization of cryogenic system • LNG cold energy recovery technologies. • Cryogenic flow boiling and heat transfer. • Energy management and storage technologies. <p>E-mail: Hongbotan@xjtu.edu.cn</p> <p>Homepage: http://gr.xjtu.edu.cn/web/hongbotan</p>
	<p>ZHONG Xin</p> <p>Associate Professor</p> <p>Research Area(s): Wetting & Deposition Control of Complex Fluid Droplets; Dynamics and Freezing of Impacting Droplets; Microchannel heat transfer; Microfluidics.</p> <p>E-mail: zhongxin0521@xjtu.edu.cn</p> <p>Homepage: http://gr.xjtu.edu.cn/web/zhongxin0521/welcome</p>

	<p>HUANG Dong Professor</p> <p>Research Area(s) :</p> <p style="padding-left: 40px;">Frosting and defrosting performance of air-source heat pump</p> <p style="padding-left: 40px;">Tube arrangement optimization of finned tube heat exchanger</p> <p style="padding-left: 40px;">Energy saving of frost-free refrigerator</p> <p>E-mail: d_huang@mail.xjtu.edu.cn</p>
	<p>YANG Xu Associate Professor</p> <p>Homepage: http://gr.xjtu.edu.cn/web/yangzx/english-homepage</p>
	<p>JIA Xiaohan Associate Professor</p> <p>Homepage: http://gr.xjtu.edu.cn/web/jiaxiaohan/informations</p>
	<p>HE Zhilong Associate Professor</p> <p>Research Area(s) :</p> <p style="padding-left: 40px;">Simulation of thermodynamics of compressor and refrigeration system</p> <p style="padding-left: 40px;">Vibration and noise research of compressor</p> <p style="padding-left: 40px;">Automatic control and remote monitor techniques</p> <p>E-mail: zlhe@mail.xjtu.edu.cn</p> <p>Homepage: http://gr.xjtu.edu.cn/web/compressor</p>

	<p>WU Jianhua Associate Professor</p> <p>Research Area(s):</p> <ol style="list-style-type: none"> 1. Research of HC compressors and refrigerating system of air conditioners 2. Research of compressors and systems using HFC refrigerant with low GWP 3. Research of CO2 compressors and heat pump water heaters 4. Numerical analysis of thermodynamic processes, dynamics, gas valves, gas pulsations, lubricating oil film of bearings, flow fields, heat transfer and OCR of compressors <p>E-mail: jhwu@mail.xjtu.edu.cn</p>
	<p>WU Huagen Professor</p> <p>Research Area(s) :</p> <ol style="list-style-type: none"> 1. Novel Compressor Technologies and Its Application Energy Recovery 2. Refrigeration System <p>E-mail: hgwu@mail.xjtu.edu.cn</p>
	<p>PENG Xueyuan Professor</p> <p>Research Area(s) :</p> <ol style="list-style-type: none"> 1. Compressor and expander technology for transcritical CO2 refrigeration 2. Oil field gas recovery technology 3. Fault diagnosis and condition monitoring in compressor system <p>E-mail: xypeng@mail.xjtu.edu.cn</p>
	<p>CAO Feng Professor</p> <p>Research Area(s) :</p> <p>Heat pump technologies Thermodynamics of twin screw multiphase pump</p> <p>E-mail: fcao@mail.xjtu.edu.cn</p>

	<p>LI Cui Lector Research Area(s): Heat and mass transfer of cryogenic fluids; Ejector-based refrigeration system; Thermal management of hydrogen isotopes in confined geometries E-mail: xjucli@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xjucli</p>
	<p>Chang Yunfeng Associate Professor Research Area(s): performance improvement of displacement type compressors; System of oil-injected compressors; ORC system performance. E-mail: yfchang@mail.xjtu.edu.cn</p>
	<p>YAN Gang Professor Research Area(s): ◆ Thermophysical processes of refrigeration and cryogenic systems ◆ Energy conservation of refrigeration and cryogenic devices ◆ New environmental protection mixture refrigerants E-mail: gyan@mail.xjtu.edu.cn Homepage :http://gr.xjtu.edu.cn/web/gyan</p>
	<p>GUO Bei Associate Professor Research Area(s): Energy-saving and reliability study of positive displacement compressors; Rotor profile design and performance optimization of screw vacuum pumps. E-mail: guobei@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/guobei</p>



ZHAO Hongli

Associate Professor

Research Area(s):

Novel refrigeration technology

Aircraft environment control system

Cryogenic cryocooler

Compact heat exchanger

E-mail: hlzhao@mail.xjtu.edu.cn



LIU Xiufang

Associate Professor

Research Area(s):

1. Spray cooling and thermal management

2. Novel refrigeration technology

3. Two phase flow and heat transfer technology in cryogenic application

E-mail: liuxiufang@mail.xjtu.edu.cn

Nuclear Science and Technology

	<p>WEI Xinyu Associate Professor Research Area(s): (1) Nuclear power system modelling and simulation (2) Nuclear reactor dynamics and control (3) Nuclear power system optimization E-mail: xyuwei@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xyuwei</p>
	<p>YUN Di Professor, Research Area(s): Nuclear Fuel Performance Analysis; Corrosion Mechanism of Zirconium Alloys; Accident Tolerant Fuels Cladding Coating Technology; Fast Reactor Fuels Behaviors (MOX, UZr, UN, etc.); Irradiation Effects in Ferritic/Martensitic Steel and Oxidation Dispersion Strengthened Steel Alloys. E-mail: diyun1979@xjtu.edu.cn</p>
	<p>WU Hongchun Professor Research Area(s): Reactor Physics, Neutron Transport E-mail: hongchun@mail.xjtu.edu.cn Homepage: necp.xjtu.edu.cn</p>
	<p>CAO Liangzhi Professor Research Area(s): Nuclear Reactor Physics, Neutron Transport Computation, Advanced Nuclear Reactor Analysis, Radiation Shielding Computation, Nuclear Fuel Cycle Analysis E-mail: caolz@xjtu.edu.cn Homepage: http://necp.xjtu.edu.cn</p>

	<p>ZHENG Youqi Professor Research Area(s): Reactor Physics, Reactor Design, Fast Reactor R&D E-mail: yqzheng@mail.xjtu.edu.cn Homepage: necp.xjtu.edu.cn</p>
	<p>ZU Tiejun Associate Professor Research Area(s): Reactor Physics, Nuclear Data E-mail: tiejun@mail.xjtu.edu.cn Homepage: necp.xjtu.edu.cn</p>
	<p>LIU Zhouyu Associate Professor Research Area(s): Reactor Physics, Numerical Reactor E-mail: zhoyuliu@mail.xjtu.edu.cn Homepage: necp.xjtu.edu.cn</p>
	<p>TIAN Wenxi Professor Research Area(s): Nuclear reactor thermal-hydraulics and safety analysis E-mail: wxtian@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wxtian/4</p>
	<p>WANG Chenglong Associate Professor Research Area(s): Nuclear Thermal-hydraulics/Advanced Nuclear Reactor Design E-mail: chlwang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chlwan</p>

	<p>WANG Sheng Professor Research Area(s): Compact Accelerator-driven Neutron Source Development and Its Applications; Advanced Neutron Imaging System Development; Boron Neutron Capture Therapy; Radiation Protection; Nuclear Waste Disposal E-mail: shengwang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/shengwang</p>
	<p>WU Pan Associate Professor Research Area(s): Brayton cycle application in nuclear energy, safety analysis and system design for nuclear reactor, thermal-hydraulic code development E-mail: wupan2015@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wupan2015</p>
	<p>ZHANG Bin Associate Professor Research Areas : ✧ Reactor thermal-hydraulics and nuclear safety ✧ Nuclear reactor severe accident E-mail: binzhang@mail.xjtu.edu.cn Homepage: http://nusol.xjtu.edu.cn/info/1021/1056.htm</p>
	<p>ZHAO Yaolin Associate Professor Research Area(s): Nuclear and radiochemistry 1) Diffusion of radionuclide in high-level radioactive waste disposal. 2) Adsorption of radionuclide at solid-liquid/gas interface 3) Computational chemistry, first principles and molecular dynamics E-mail: zhaoyaolin@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhaoyaolin</p>

	<p>WANG Mingjun Associate Professor Research Area(s): Nuclear Thermal Hydraulics; Nuclear Reactor Transient Analysis; CFD and CMFD in reactor E-mail: wangmingjun@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wangmingjun</p>
	<p>HE Chaohui Professor Research Area(s): Radiation effects in semiconductor materials, electronic devices, integrated circuits and systems, especially on multi-scale simulation and radiation effects in SoC(System on Chip)/SIP(System in Package) ; Radiation hardened robot E-mail: hechaohui@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/hechaohui/8</p>
	<p>LI Yunzhao Professor Research Area(s): Neutron diffusion/transport theory and numerical methods; PWR-core analysis methodology and NECP-Bamboo code development; Nuclear reactor physics teaching. E-mail: yunzhao@xjtu.edu.cn Homepage: http://yunzhao.gr.xjtu.edu.cn</p>
	<p>GOU Junli Professor Research Area(s): Reactor thermalhydraulics and safety, Passive safety techniques, Gen IV reactor system design, BEPU, and etc. E-mail: junligou@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/junligou/home</p>
	<p>SUN Peiwei Associate Professor Research Area(s): (1) Nuclear Reactor Control ; (2) Nuclear power system modelling and simulation ; (3) Fault detection and diagnosis of the nuclear power system E-mail: sunpeiwei@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/sunpeiwei/</p>

	<p>ZHANG Qingmin Professor Research Area(s): (1)Radiation Measurement, Shielding and Protection; (2)Particle Physics Experiments; (3)Nuclear Logging Technology; (4)Diagnosis of X-ray Free Electron Laser; (5) Detection Technology for Reactor Monitoring E-mail: zhangqingmin@mail.xjtu.edu.cn Homepage: http://www.xjtu.edu.cn/jsnr.jsp?urltype=tree.TreeTempUrl&wbtreeid=1632&wbwbxjtuteacherid=1714</p>
	<p>GUO Shaoqiang Professor Homepage: http://gr.xjtu.edu.cn/web/guos2019/english1</p>
	<p>QIU Jie Professor Research Area(s): Synthesis and Characterization of Novel Uranium Materials and Their Applications in Nuclear Fuel Cycle E-mail: qiujie1228@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/qiujie1228/home</p>
	<p>CHEN Ronghua Professor Research Area(s): Nuclear Reactor Thermal-Hydraulics E-mail: rhchen@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/rhchen</p>
	<p>WANG Pengfei Associate Professor 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 E-mail: wangpengfei@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wangpengfei</p>

	<p>LIU Shuhuan Professor Research</p> <p>Area(s): Nuclear Technology and Applications</p> <ol style="list-style-type: none"> 1).Radiation detection and nuclear electronics 2) Radiation protection and dosimetry 3) Radiation effects on semiconductor material device/ integrated circuits and systems <p>E-mail: liushuhuan@mail.xjtu.edu.cn</p>
	<p>ZANG Hang Associate Professor</p> <p>Research Area(s):</p> <ul style="list-style-type: none"> ➤ Evolution of radiation effects and ion-beam modification of materials; ➤ Radiation damage effects in various structural materials applied in fission and fusion ➤ Computational simulation and experiment of irradiation damage of semiconductor materials in radiation environment <p>E-mail: zanghang@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zanghang/home</p>
	<p>WU Yingwei Professor</p> <p>Research Area(s): Nuclear reactor thermal hydraulic and safety analysis</p> <p>E-mail: wyw810@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/wyw810</p>
	<p>QIU Suizheng Professor</p> <p>Research Area(s):</p> <ul style="list-style-type: none"> ➤ Fluid dynamics and heat transfer ➤ Safety analysis on the nuclear power systems ➤ Thermal-hydraulics of in Narrow channels ➤ Nuclear reactor and system <p>E-mail: szqiu@mail.xjtu.edu.cn</p>

	<p>SU Guanghui Professor Research Area(s):</p> <ul style="list-style-type: none"> ➤ Two-phase flow and boiling heat transfer ➤ Nuclear reactor thermal-hydraulics analysis <p>E-mail: ghsu@mail.xjtu.edu.cn</p>
	<p>SHAN Jianqiang Professor Research Area(s): Safety and thermal-hydraulics analysis of nuclear reactors E-mail: jqshan@mail.xjtu.edu.cn</p>
	<p>HU Huasi Professor Research Area(s):</p> <ul style="list-style-type: none"> ➤ Experimental nuclear physics ➤ Nuclear technology and applications ➤ Radiometry and radiation protection <p>E-mail: huasi_hu@mail.xjtu.edu.cn</p>
	<p>LU Chenyang Professor Research Area(s):</p> <ul style="list-style-type: none"> ➤ Radiation damage of materials ➤ Advanced characterization of microstructures ➤ Preparation of nuclear structural materials ➤ Ion beam modification techniques ➤ Multi-scale material simulation <p>E-mail: chenylu@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chenylu/cv</p>
	<p>ZHANG Kui Lecturer Research Area(s): Nuclear thermal hydraulic experiments, Advanced nuclear system safety analysis, two-phase flow and heat transfer, E-mail: zhangkui101@xjtu.edu.cn</p>

	<p>ZHANG Dalin Professor Research Area(s): Nuclear thermal-hydraulics and safety analysis, Neutronics/thermal-hydraulics coupling and safety analysis of advanced nuclear systems E-mail: dlzhang@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/dlzhang</p>
	<p>Zhang Yapei Professor Research Area(s): Nuclear Safety Analysis, Severe Accident Mechanism And Phenomenology E-mail: zhangyapei@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/zhangyapei</p>
	<p>ZHANG Jing Associate Professor Research Area(s): Nuclear reactor thermal-hydraulics analysis E-mail: zhangjingxjtu@mail.xjtu.edu.cn</p>
	<p>WANG Jie Associate Professor Research Area(s): <ol style="list-style-type: none"> 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 E-mail: wangjie1@xjtu.edu.cn</p>
	<p>HU GUANG Associate Professor Research Area(s): Nuclear Radiation Protect and Nuclear technology and applications E-mail: guanghu@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/guanghu</p>



LIU Zhenchao

Professor

Research Area(s):





Accelerator physics and technology:

- 1) RF superconducting technology,
- 2) High current superconducting accelerator,
- 3) 3D printing of Superconducting cavity.

E-mail: lzhchao@xjtu.edu.cn




Homepage: <http://gr.xjtu.edu.cn/web/lzhchao>

Environmental Engineering

	<p>YANG Shucheng Professor/Associate Professor Research Area(s): Anaerobic digestion of wastewater and sludge, biological treatment of industrial wastewater E-mail: yanyang@mail.xjtu.edu.cn</p>
	<p>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 Dioxide Nanotube Arrays E-mail: xuhao@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xuhao</p>
	<p>Xu Hongmei Associate Professor Research Area(s): PM2.5 source apportionment and air pollution chemical characteristics and effects on environment and human health E-mail: xuhongmei@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/xuhongmei</p>
	<p>Jidong Liang Associate Professor Research Area(s): Anammox Biotechnology for nitrogen removal from wastewater; Bioremediation of petroleum contaminated soil Anaerobic digestion of organic waste E-mail: jidongl@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jidong</p>

	<p>RAO Yongfang Associate Professor Research Area(s): Treatment of micropollutants; fate of nanoparticles; Air purification E-mail: yf rao@mail.xjtu.edu.cn</p>
	<p>SHEN Zhenxing Professor Homepage: http://gr.xjtu.edu.cn/web/shenzx/8</p>
	<p>LIU Hongxia Associate Professor Research Area(s): <ul style="list-style-type: none"> ✧ Plasma process for waste treatment ✧ Pollution prevention and control ✧ Environmental monitoring E- E-mail: hxliu72@xjtu.edu.cn Homepage: https://gr.xjtu.edu.cn/en/web/hxliu72</p>
	<p>GAO Ningbo Associate Professor Research Areas: <ol style="list-style-type: none"> 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 E-mail: nbogao@xjtu.edu.cn Homepage: http://nbogao.gr.xjtu.edu.cn/</p>

	<p>QUAN Cui Associate Professor</p> <p>Research Areas:</p> <ol style="list-style-type: none"> 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. <p>E-mail: quancui@xjtu.edu.cn Homepage: http://quancui.gr.xjtu.edu.cn</p>
	<p>LI Shanshan Associate Professor</p> <p>Research Area(s): Microbial degradation of refractory organic pollutant, genetic engineering modified degrading strains</p> <p>E-mail: shanshan0320@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/shanshan0320</p>
	<p>HE Chi Professor</p> <p>Research Area(s): Environmental Chemistry; Heterogeneous Catalysis; Air Pollution Control</p> <p>E-mail: chi_he@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/chi.he</p>
	<p>WANG Yunhai Professor</p> <p>Homepage: http://gr.xjtu.edu.cn/web/wang.yunhai</p>

	<p>HAN Jie Professor Research Area(s): Environmental and Public Health E-mail: jiehan@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/jiehan</p>
	<p>FENG Jiangtao Associate Professor Research Area(s): Adsorption Materials, Advanced Treatment of Wastewater, Photocathodic Protection E-mail: fjtes@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/fjtes</p>
	<p>ZHENG Chunli Associate Professor Research Area(s): water treatment/soil remediation E-mail: clzheng@xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/clzheng</p>
	<p>YAN Wei Professor Research Area(s): Environmental chemistry & materials Nano materials Conducting polymer Wastewater treatment E-mail: yanwei@mail.xjtu.edu.cn Homepage: http://gr.xjtu.edu.cn/web/yanwei/7</p>