

Academic Team of International Students

Chunguo Zhang 张春国		
Gender	Male	
Academic title	Professor	
Email	zcguo2008@163.com	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxxy/zcg_2636/list.htm	

Research interests:


1. Fatigue behavior and life prediction of high-strength alloys and welding joints
2. Application of buffer layer in welding
3. Probabilistic prediction of material fracture based on non-LEFM and normal distribution

Xinrong Zhang 张新荣		
Gender	Male	
Academic title	Professor	
Email	zxr-68@126.com	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxxy/zxr_1853/list.htm	

Research interests:

Mechanical Engineering; Dynamics and Control for Mechanical System; Electronically Controlled Hydraulic System

Dr. Zhang's research has covered an area in mechanical engineering, including automatic transmissions for cars, ECU for automatic transmissions, Auto leveling system controller for asphalt paver, controller design for heavy vehicles, controlling system for synchronous pavement dressing machine. Dr. Zhang has supervised over 30 graduate theses in mechanical engineering. His research has resulted in nearly 50 papers and publications in leading journals and conference proceedings as well as several patents. His research is funded by both government agencies and industry.

Zongyan Cai 蔡宗琰		
Gender	Male	
Academic title	Professor	
Email	czyan@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/czy/list.htm	

Research interests:

1. Integration and Automation for Intelligent Manufacturing System
2. Intelligent Robot Technology
3. Manufacturing Information Technology

Guoqing Wang 王国庆		
Gender	Male	
Academic title	Professor	
Email	Wang_gq@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/wgq/list.htm	


Research interests:

1. Robotics in exoskeleton
2. Development platform for Digital Twin application
3. Embedded System in mobile Robot

Wu Zhao 赵悟		
Gender	Male	
Academic title	Associate Professor	
Email	zhaowu@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/zw/list.htm	

Research interests:

Mechanical design and theory, mechatronic engineering, mechanical manufacturing and automation, construction machinery. Theory and dynamic performance of construction machinery, Quality control of construction machinery operation, Development and application of vibration mixing technology

Hairong Gu 顾海荣		
Gender	Male	
Academic title	Associate Professor	
Email	guhairong@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/ghr/list.htm	


Research interests:

1. Hydraulic transmission and control technology
2. Highway maintenance technology and equipment

Qingzhe Zhang 张青哲		
Gender	Male	
Academic title	Associate Professor	
Email	zqzh@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/zqz/list.htm	

Research interests:

1. Dynamic simulation and Finite element analysis of construction machinery
2. Intelligent control method and technology of construction for Civil engineering
3. Mechanism and stress analysis of vibrating compaction
4. Reliability analysis of construction machinery

Kai Ding 丁凯		
Gender	Male	
Academic title	Associate Professor	
Email	kding@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/dk/list.htm	


Research interests:

1. Industrial Internet of Things and Digital Twins
2. Cyber-Physical Production System
3. Production operations and control in smart shop floors

Xiaoli Zhang 张小丽		
Gender	Famale	
Academic title	Associate Professor	
Email	lilyzhang@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/zxl/list.htm	


Research interests:

Major: Mechanical Engineering
Mechanical fault diagnosis and intelligent maintenance

Lei Guo 郭磊		
Gender	Male	
Academic title	Associate Professor	
Email	lguo@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/gl_2452/list.htm	

Research interests:

The research interest of our group lies in the utilization of advanced manufacturing process, material science and robotics, to provide solutions to the challenging problems in the manufacturing industry of semiconductor, medical device, and aerospace.

Xiaohua Xia 夏晓华		
Gender	Male	
Academic title	Associate Professor	
Email	xhxia@chd.edu.cn	
Home page	1 English website Personal profile 2 http://js.chd.edu.cn/gcjxy/xxh/list.htm	

Research interests:

Machine vision and opto-mechatronics, including:

1. Design and manufacture of human-like visual device
2. Visual perception, modeling, calibration and information processing
3. Road/bridge detection technology based on drones and crawling robots