

XJTLU-JITRI Joint Funded PhD Scholarship Project list

Title of PhD project	Principal Supervisor
Computer Science and Software Engineering PhD	
<u>The embedded software integration of micro display</u>	<u>Dr. Haining Liang</u> Haining.Liang@xjtlu.edu.cn
<u>Novel OLED Pixel Driving Circuit Design</u> <u>(新型OLED像素驱动电路设计)</u>	<u>Dr. Haining Liang</u> Haining.Liang@xjtlu.edu.cn
<u>Automated Three-Dimensional Inspection System for Deep Drawing Parts</u> <u>拉深件自动三维检测系统.</u>	<u>Dr. Jieming Ma</u> Jieming.Ma@xjtlu.edu.cn
<u>Self-learning Method of Object Detection and Grabbing</u> <u>Process for Robot Intelligent Grabbing in Unstructured Environment</u>	<u>Dr. Xiaohui Zhu</u> Xiaohui.Zhu@xjtlu.edu.cn
<u>Multi-target detection and tracking technology based on millimeter wave radar and machine learning</u>	<u>Prof. Ka Lok Man</u> Ka.Man@xjtlu.edu.cn
<u>Development of new machine-learning models in radar signal processing and target detection and recognition</u>	<u>Prof. Ka Lok Man</u> Ka.Man@xjtlu.edu.cn
Civil Engineering PhD	
<u>In-situ characterization of key structural materials in extreme service environment</u>	<u>Dr. Konstantinos Papadikis</u> Konstantinos.Papadikis@xjtlu.edu.cn
Chemistry PhD	
<u>Anode Structures for High Performance Silicon-based OLED Microdisplay</u> <u>Devices(高性能硅基OLED微显示器阳极结构研究)</u>	<u>Dr. Li Yang</u> Li.Yang@xjtlu.edu.cn
<u>Study on the microstructure and properties of Superalloy tubes for the key components of the fourth generation advanced nuclear power system</u>	<u>Dr. Li Yang</u> Li.Yang@xjtlu.edu.cn
Electrical and Electronic Engineering PhD	
<u>Technology and Structures of High Brightness Silicon-based OLED Display</u> <u>(高亮度硅基OLED显示器的工艺和结构研究)</u>	<u>Prof. Cezhou Zhao</u> Cezhou.Zhao@xjtlu.edu.cn
<u>Plastic deformation transfer behavior of hexagonal close-packed materials using crystal plasticity finite element modeling (六方结构金属变形传递行为的晶体塑性有限元模拟研究)</u>	<u>Dr. Pengfei Song</u> Pengfei.Song@xjtlu.edu.cn
<u>Quantitative study on plastic deformation behavior and internal stress of hexagonal close-packed materials. (六方结构金属塑性变形与内应力定量研究)</u>	<u>Dr. Pengfei Song</u> Pengfei.Song@xjtlu.edu.cn
<u>Controllable Synthesis and Electromagnetic Loss Mechanism of Nano Metal Modified Silicon Carbide Hollow Structure</u>	<u>Prof. Cezhou Zhao</u> Cezhou.Zhao@xjtlu.edu.cn
<u>Microstructural evolution and its relationship to properties of spray formed high performance aluminum alloys during thermomechanical process(喷射成形高性能铝合金零件过程中的微观结构演变及其性能研究)</u>	<u>Dr. Jie Sun</u> Jie.Sun@xjtlu.edu.cn
<u>Intelligence monitoring of spray formed high performance aluminum alloys during thermomechanical process(应用人工智能监控高性能铝合金零件的喷射成形过程)</u>	<u>Dr. Jie Sun</u> Jie.Sun@xjtlu.edu.cn
Mathematical Sciences PhD	
<u>Machine learning for target recognition</u>	<u>Dr. Fei Ma</u> Fei.Ma@xjtlu.edu.cn
<u>Robotic Manipulation of Cells and Intracellular Structures</u>	<u>Dr. Yina Liu</u> Yina.Liu@xjtlu.edu.cn