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<b>职 称</b>	副教授	<b>系别</b>	电气工程系	
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<b>单位地址</b>	南京市浦口区点将台路 40 号	<b>邮编</b>	210031	
<b>研究领域</b>	智能化农业装备与技术 农业环境监测与控制			
<b>社会兼职</b>				
<b>承担项目</b>	<ol style="list-style-type: none"> <li>1. 热泵干燥机及其控制系统的研究，江苏省农机局科研启动基金</li> <li>2. 织带自动印字机控制系统的研制，横向</li> <li>3. 转台定位装置控制系统的研制，横向</li> <li>4. 移栽机产业化与研究，横向</li> <li>5. 设施蔬菜生产关键环节信息化与机械化技术试验示范，省农机三项工程子课题</li> <li>6. 吊装带拉伸试验机控制系统的研制，横向</li> </ol>			
<b>学术成果</b>	<ol style="list-style-type: none"> <li>1. 胡飞, 尹文庆, 陈彩蓉, 徐彪. 基于机器视觉的穴盘幼苗识别与定位研究[J]. 西北农林科技大学学报(自然科学版), 2013, 41(05): 183-188</li> <li>2. 胡飞, 尹文庆, 陈彩蓉. 基于 MATLAB 的移栽机械臂运动学分析与仿真[J]. 江西农业学报, 2012(12): 151-153</li> <li>3. Hu F, Chen C R, Li X. Design of Wireless Water-Saving Irrigation Controller. Advances in mechatronics and control engineering. 2013</li> <li>4. Hu F, Yin W Q, Chen C R. Design of Temperature Monitoring System Based on MSP430. Advanced Materials Research, 2011, 301: 1162-1165</li> <li>5. Hu F, Yin W, Chen C. Design of the tensile testing machine computer control system based on MCGS. CESCE2010: 351-353</li> <li>6. Cairong C, Fei H. Design of measurement and control system for sling stretch test machine based on LabVIEW. ICIMA2010: 389-392</li> <li>7. 胡飞, 徐大华. 基于 COM+ 的农业专家系统的设计与开发[J]. 安徽农业科学, 2006, 34(8): 1724-1725</li> <li>8. 胡飞, 尹文庆. 热泵干制机自动控制系统的研制[J]. 计算机测量与控制, 2007, 15(2): 185-187</li> <li>9. 胡飞, 尹文庆. 柿子干制体积与表面积收缩的数学模型[J]. 农机化研究, 2006(11): 70-71</li> </ol>			
<b>奖励荣誉</b>				

# Teaching staff/ Personal information

<b>Name</b>	Fei Hu	<b>Gender</b>	Male	
<b>Title</b>	Associate Professor	<b>Department</b>	Department of Electrical Engineering	
<b>Degree</b>	Ph.D.	<b>Telephone</b>	+8613951986692	
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<b>Unit address</b>	No.40 Dianjiangtai Road, Pukou District, Nanjing , China	<b>Post code</b>	210031	
<b>Research field</b>	Intelligent Agricultural Equipment and Technology Agricultural Environment Monitoring and Control			
<b>Social appointments</b>				
<b>Research projects</b>	<ol style="list-style-type: none"> <li>1. Principle Investigator, Foundation of Jiangsu Provincial Agricultural Machinery Administration: Research on the control system of heat pump dryer</li> <li>2. Participant, Natural Science Foundation of Jiangsu Province of China: Research on mechanism and quality evaluation of heat pump drying fruits</li> <li>3. Participant, Jiangsu Province Key Technologies R &amp; D Program of China: Research on the key technology for rape transplanting</li> <li>4. Participant, Foundation of Jiangsu Provincial Agriculture Department: Research on automatic transplanting technology and device for dry-land plug seedling</li> <li>5. Principle Investigator, Design of the accurate positioning control system for rotating platform</li> <li>6. Principle Investigator, Design of test and control system for sling stretch test machine</li> </ol>			
<b>Academic achievements</b>	<p>[1] Hu Fei. Research on Recognition and Localization of Plug Seedling Based on Machine Vision. The Journal of Northwest A&amp;F University (Natural Science Edition), 2013,41(05): 183-188</p> <p>[2] Hu Fei. Design of Wireless Water-Saving Irrigation Controller. Advances in mechatronics and control engineering. 2013</p> <p>[3] Hu Fei. Design of Temperature Monitoring System Based on MSP430. Advanced Materials Research, 2011,301:1162-1165</p> <p>[4] Hu Fei. Research and Development of Auto-control System for Heat Pump Dryer. Computer Measurement &amp; Control, 2007,15(2):185-187</p> <p>[5] Hu Fei. Kinematics Analysis and Simulation of Transplanting Robot Arm Based on MATLAB. Acta Agriculturae Jiangxi, 2012(12):151-153</p> <p>[6] Hu Fei. Architecture Designing of Farming Expert System Based on COM+. Journal of Anhui Agri. Sci, 2006,34(8): 1724-1725</p> <p>[7] Hu Fei. Design of the Tensile Testing Machine Computer Control System Based on MCGS. CESCE2010:351-353</p> <p>[8] Hu Fei. Mathematical Model of Persimmon Shrinkage during Drying Process. Journal of Agricultural Mechanization Research, 2006(11):70-71</p>			

<b>Reward &amp; honor</b>	
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