

## 师资队伍/个人信息 (样表)

<b>姓 名</b>	鲁植雄	<b>性别</b>	男	
<b>职 称</b>	教授	<b>系别</b>	农机化系	
<b>学 位</b>	博士/博导	<b>电话</b>		
<b>E-mail</b>	luzx@njau.edu.cn			
<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>	车辆电子控制技术			
<b>社会兼职</b>	1. 中国农业机械学会拖拉机分会, 委员, 2015 2. 江苏省汽车工程学会, 常务理事, 2012 3. 中国汽车工程学会, 特聘专家, 2014			
<b>承担项目</b>	1. 国家重点研发计划. 智能重型拖拉机无级变速关键技术研究及开发 (编号: 2016YFD0701103) . 2. 国家重点研发计划. 园艺拖拉机智能化关键技术研究及整机开发 (编号: 2016YFD0700900) .			
<b>学术成果</b>	<p><b>出版著作:</b></p> 1. 鲁植雄. 汽车评估, 第 2 版, 2016, 北京大学出版社. 2. 鲁植雄. 载运工具原理与运用, 第 2 版, 2015, 东南大学出版社. 3. 鲁植雄. 汽车运用工程. 机械工业出版社, 2015, 机械工业出版社. 4. 普通高等教育“十一五”国家级规划教材: 辛喆, 鲁植雄. 汽车拖拉机发动机原理, 第 2 版, 2015, 中国农业出版社. 5. 鲁植雄. 汽车拖拉机学实验指导, 第二版, 2014, 中国农业出版社. 6. 鲁植雄. 汽车服务工程, 第二版, 2014, 北京大学出版社. 7. 鲁植雄. 汽车拖拉机综合实习教程. 2013, 中国农业出版社. 8. 鲁植雄. 旧机动车鉴定与评估, 第二版, 2013, 人民交通出版社. 9. 鲁植雄, 李文哲. 汽车拖拉机学 (第三册: 电器与电子设备), 第二版, 2013, 中国农业出版社. 10. 鲁植雄. 车辆工程专业导论. 2013, 机械工业出版社. 11. 普通高等教育“十一五”国家级规划教材: 冯崇毅, 鲁植雄. 汽车电子控制技术, 第 2 版, 2011, 人民交通出版社.			
	<p><b>近期主要论文:</b></p> [1] 程准, 鲁植雄, 龚佳慧, 刁秀永. 转向系统传递函数的研究及理想传动比获取[J]. 浙江大学学报(工学版), 2016, 50(7): 1276-1283. [2] 刁秀永, 鲁植雄, 姜春霞, 钟文军, 张培友. 基于力矩反馈一位置差			

型线控液压转向系统控制[J]. 中国机械工程, 2016, 27 (10) : 1404-1407, 1419.

- [3] 程准, 王俊, 鲁植雄. 基于 MATLAB/Simulink 和 ADAMS 的拖拉机建模与振动仿真分析[J]. 农业现代化研究, 2016, 37(2):395-401.
- [4] 鲁植雄, 龚佳慧, 鲁杨, 刁秀永, 程准, 姜春霞, 周晶. 拖拉机线控液压转向系统的双通道 PID 控制仿真与试验. 农业工程学报, 2016, 32 (6) : 101-106.
- [5] Yiming Fang, Zhixiong Lu, Lujun Lin, Hailin Feng. Accelerated Air-coupled Ultrasonic Imaging of Wood Using Compressed Sensing. Bioresources, 2016, 11(1):1015-1030.
- [6] Weiwei ZHOU, Yang LU, Chunxia JIANG, ZhixiongLU, Wenxin JIN. Design of User Interface for Tractor Cab Real-time Information Management System. Asian Agricultural Research, 2015,7(11):53-57,6.
- [7] Yue Jin, Yang Lu, Jiahui Gong, Zhixiong Lu, Wenming Li, Jungan Wu. Design and experiment of electronic hydraulic loading test bed based on tractors hydraulic steering by wire. Asian Agricultural Research, 2015,7(12):86-89.
- [8] Yiming Fang, Zhixiong Lu, Lujun Lin, Hailin Feng. Application of Air-coupled Ultrasonic Imaging Technique for Nondestructive Testing of Solid Wood Board. ICIC Express Letters Part B:Applications Volume 6, Number 10, 2015, 2773-2778.
- [9] 鲁植雄, 钟文军, 刁秀永, 梅士坤, 周晶, 程准. 基于拖拉机作业轨迹的农田面积测量[J]. 农业工程学报, 2015, 31(19): 169—176.
- [10] 鲁植雄, 刁秀永, 龚佳慧, 等. 轮式拖拉机线控液压转向系统路感特性与评价[J]. 农业工程学报, 2015, 31(12): 57—63.
- [11] 刘奕贯,鲁植雄,赵兰英,等.基于 RMD 法的农业土壤表面三维重构与分析[J].南京农业大学学报,2015,38(6):1030-1037
- [12] 梅士坤, 鲁植雄, 徐浩, 等. 拖拉机电液转向系统的变论域两级模糊 PID 控制研究[J]. 南京农业大学学报, 2015, 38(3) : 517-524.
- [13] 鲁植雄, 金文忻, 金峰, 姜春霞, 刘奕贯, 徐浩, 王中云. 非接触式激光地面不平度仪的设计与试验 [J] . 南京农业大学学报, 2015, 38(3) : 511-516.
- [14] 姜春霞, 鲁植雄, 徐浩, 等. 农业土壤表面不平度分形维数计算方法的对比与分析 [J] . 南京农业大学学报, 2015, 38( 1) : 161-167.
- [15] 刁秀永, 鲁植雄, 梅士坤, 龚佳慧, 钟文军. 拖拉机线控液压转向系统的联合仿真 [J] . 农业现代化研究, 2015, 36(2): 315-320.
- [16] 钟文军, 高强, 鲁植雄, 梅士坤, 刁秀永, 姜春霞. 路面行驶工况下拖拉机驱动轮滑转率的测试与分析[J]. 华中农业大学学报, 2015, 34(4): 130—136.
- [17] 周伟伟, 鲁植雄, 吴俊淦, 等. 拖拉机驾驶室实时信息管理系统的界面设计 [J] . 浙江农业学报, 2015, 27(1) : 121-127.
- [18] 鲁植雄, 徐浩, 刘奕贯, 等. 基于分形插值的三维路面重构与分析

	<p>[J]. 农业工程学报, 2014, 30 (22) : 188-194.</p> <p>[19] 吴俊淦, 刁秀永, 鲁植雄, 等. 拖拉机线控液压转向路感特性设计 [J]. 浙江农业学报, 2014, 26(6) : 1676-1681.</p> <p>[20] Huang Xu, Zhixiong Lu, Yandong Song, HongleiPang. Force-position adjustment design of tractor hitch system based on DSP. Applied Mechanics and Materials 462: 483-486.</p> <p>[21] Huang Xu, Yandong Song, Zhixiong Lu, HongleiPang. Tractor electro-hydraulic hitch system design based on DSP. Applied Mechanics and Materials Vols. 448-453 (2014) pp 3481-3484.</p> <p>[22] Zhi Xiong Lu*, Jiang Xue Chang, Xue Feng Bai, Yang Lu, Jun Gan Wu. Analysis of Steering Control Strategy on Tractor's Hydraulic Steering By-wire System. Applied Mechanics and Materials, 487: 630-634, January, 2014.</p> <p>[23] 刘奕贯, 鲁植雄, Hoogmoed W B, 李晓勤. 犁耕土壤表面的三维分形插值重构. 农业机械学报, 2014, 45 (3) : 152-157.</p> <p><b>授权专利:</b></p> <ol style="list-style-type: none"> <li>1.一种高地隙喷杆喷雾机喷杆水平控制系统. 实用新型专利: ZL 2015 20142176.2.</li> <li>2.一种土槽试验台车. 实用新型专利: ZL 2015 2 1010150.7.</li> <li>3.一种单轮土槽试验台. 实用新型专利: ZL201520566266.2.</li> <li>4.拖拉机线控液压转向路感系统. 实用新型专利: ZL201520131913.7.</li> <li>5.一种树木年轮的空气耦合式超声波检测方法及其装置. 发明专利: CN104101650A.</li> <li>6.一种拖拉机综合信息管理装置. 实用新型专利: ZL 2014 2 0317684.3.</li> <li>7.非接触式激光地面不平度仪. 实用新型专利: ZL 2014 2 0117511.7.</li> <li>8.拖拉机电液悬挂加载实验台. 实用新型专利: ZL 201420116995.3.</li> <li>9.一种拖拉机电子液压转向实验平台. 实用新型专利: ZL 2014 2 0226186.8.</li> <li>10.平面针尺式地表不平度测量仪. 实用新型专利: ZL 2012 2 0043021.8.</li> <li>11.基于 CAN 总线的拖拉机综合信息显示系统. 实用新型专利: ZL 2012 2 0099194.1.</li> </ol>
<p><b>奖励荣誉</b></p>	<ol style="list-style-type: none"> <li>[1] 2016 年, 获国家级精品资源共享课(汽车拖拉机学)(排名: 第 1)</li> <li>[2] 2016 年, 获新疆维吾尔自治区“天山学者”称号</li> <li>[3] 2016 年, 获南京农业大学第六届“优秀教师奖”</li> <li>[4] 2015 年, 获第二届“豪丰杯”全国十佳农机教师</li> <li>[5] 2014 年, 获 2014 年度江苏省优秀专业学位硕士论文 (100 篇)指导教师(排名: 第 1)</li> </ol>

	<p>[6] 2014 年，获中国农业机械学会优秀论文一等奖（排名：第 2）</p> <p>[7] 2013 年，获江苏省普通高等学校本专科毕业设计（论文）的团队优秀毕业设计（论文）指导教师（排名：第 1）</p> <p>[8] 2013 年，获江苏省教学成果二等奖（高等教育类）（排名：第 4）。</p> <p>[9] 2013 年，获 2012—2013 年度中华农业科技奖的科普奖（等同于科研成果二等奖）（排名：第 1）</p> <p>[10]2004 年，获国家技术发明二等奖（军用复合金属板材爆炸焊接新技术）（排名：第 6）</p>
--	---

## Personal information

<b>Name</b>	LU ZHIXIONG	<b>Gender</b>	Male	
<b>Title</b>	Professor	<b>Department</b>	Department of Agricultural Mechanization	
<b>Degree</b>	Ph.D/ Ph.D. Supervisor	<b>Telephone</b>		
<b>E-mail</b>	luzx@njau.edu.cn			
<b>Unit address</b>	No.40, Dianjiangtai Road, Pukou District, Nanjing City		<b>Post code</b>	210031
<b>Research field</b>	Vehicle electronic control technology			
<b>Social appointments</b>	<ol style="list-style-type: none"> <li>1. China Academy of agricultural machinery and tractor branch, Committee member, 2015</li> <li>2. Society of Automotive Engineers of Jiang Su(SAE-JS), Routine director, 2012</li> <li>3. Society of Automotive Engineers of China (SAE-China), Retain specialist, 2014</li> </ol>			
<b>Research projects</b>	<ol style="list-style-type: none"> <li>1. National key research and development program. Research and Development on the Key Technology of the Continuous Variable Transmission of the Intelligent Heavy Tractor. (Number: 2016YFD0701103).</li> <li>2. National key research and development program. Research and development on key technology of intelligent gardening tractor (Number: 2016YFD0700900).</li> </ol>			
<b>Academic achievements</b>	<p><b>Published works:</b></p> <ol style="list-style-type: none"> <li>1. Lu Zhixiong. Automotive Assessment, Second Edition, 2016, Peking University Press.</li> <li>2. Lu Zhixiong. Principle and Operation of Transportation Facilities, Second Edition, 2015, Southeast University Press.</li> <li>3. Lu Zhixiong. Automobile Operation Engineering, China Machine Press, 2015, China Machine Press.</li> <li>4. General Higher Education "Eleventh Five-Year" National Planning Material: Xin Zhe, Lu Zhixiong, Principle of Automobile and Tractor Engine, Second Edition, 2015, China Agricultural University Press.</li> <li>5. Lu Zhixiong. Experimental Guide of Automobile and Tractor, Second Edition, 2014, China Agriculture Press.</li> <li>6. Lu Zhixiong. Automobile Service Engineering, Second Edition, 2014, Peking University Press.</li> <li>7. Lu Zhixiong. Integrated Practice Course for Automobile and Tractor. 2013, China Agriculture Press.</li> <li>8. Lu Zhixiong. Identification and Evaluation of Old Motor Vehicles,</li> </ol>			

Second Edition, 2013, China Communications Press.

9. Lu Zhixiong, LI WenZhe. Automobile and Tractor Study (Volume III: Electrical and Electronic Equipment), Second Edition, 2013, China Agriculture Press.
10. Lu Zhixiong. Introduction to Vehicle Engineering, 2013, Mechanical Industry Press.
11. General Higher Education "Eleventh Five-Year" National Planning Material: Feng Chongyi, Lu Zhixiong. Automotive Electronic Control Technology, Second Edition, 2011, China Communication Press.

**Recent papers:**

- [1] Cheng Zhun, Lu Zhixiong, Diao Xiuyong. Research on transfer function of steering system and acquisition of ideal transmission ratio[J]. Journal of Zhejiang University, 2016, 50 (7) : 1276-1283.
- [2] Diao Xiuyong, Lu Zhixiong, Jiang Chunxia, Zhong Wenjun, Zhang Peiyong, Based on torque feedback-position differential type hydraulic steering system control[J]. Chinese Mechanical Engineering, 2016, 27(10):1404-1407, 1419.
- [3] Cheng Zhun, Wang Jun, Lu Zhixiong. Based on MATLAB/Simulink and ADAMS Analysis of tractor modeling and simulation[J]. Research of Agriculture Modernization, 2016, 37(2):395-401.
- [4] Lu Zhixiong, Gong Jiahui, Lu Yang, Diao Xiuyong, Cheng Zhun, Jiang Chunxia, Zhou Jing. Dual channel PID control simulation and test system of tractor wire hydraulic steering. Journal of Agricultural Engineering, 2016, 32(6): 101-106.
- [5] Yiming Fang, Zhixiong Lu, Lujun Lin, Hailin Feng. Accelerated Air-coupled Ultrasonic Imaging of Wood Using Compressed Sensing. Bioresources, 2016, 11(1):1015-1030.
- [6] Weiwei Zhou, Yang Lu, Chunxia Jiang, Zhixiong Lu, Wenxin Jin. Design of User Interface for Tractor Cab Real-time Information Management System. Asian Agricultural Research, 2015,7(11):53-57,6.
- [7] Yue Jin, Yang Lu, Jiahui Gong, Zhixiong Lu, Wenming Li, Jungan Wu. Design and experiment of electronic hydraulic loading test bed based on tractors hydraulic steering by wire. Asian Agricultural Research, 2015,7(12):86-89.
- [8] Yiming Fang, Zhixiong Lu, Lujun Lin, Hailin Feng. Application of Air-coupled Ultrasonic Imaging Technique for Nondestructive Testing of Solid Wood Board. ICIC Express Letters Part B:Applications Volume 6, Number 10, 2015, 2773-2778.
- [9] Lu Zhixiong, Zhong Wenjun, Diao Xiuyong, Mei Shikun, Zhoujing, Cheng Zhun. Farmland area measurement based on tractor work track[J]. Journal of Agricultural Engineering, 2015, 31(19): 169-176.
- [10] Lu Zhixiong, Diaoxiuyong, Gongjiahui, etc., Road characteristics and evaluation of wheel-type tractor wire hydraulic steering control[J]. Journal of Agricultural Engineering, 2015, 31(12):57-63.
- [11] Liu Yiguan, Lu Zhixiong, Zhao Lanying, etc., Three dimensional reconstruction and analysis of agricultural soil surface based on RMD

method[J]. Journal of Nanjing Agricultural University, 2015,38(6):1030-1037.

- [12] Mei Shikun, Lu Zhixiong, Xu Hao, etc., Research on tractor electric hydraulic steering system of two level fuzzy PID control and variable region[J]. Journal of Nanjing Agricultural University, , 2015, 38(3) : 517-524.
- [13] Lu Zhixiong, Jin Wenxin, Jin Feng, Jiang Chunxia, Liu Yiguan, Xu Hao, Wang Zhongyun. Design and test of non-contact laser roughness surface tester[J]. Journal of Nanjing Agricultural University, 2015, 38(3) : 511-516.
- [14] Jiang Chunxia, Lu Zhixiong, Xu Hao, etc., Comparison and analysis of agricultural soil surface roughness fractal dimension calculation method[J]. Journal of Nanjing Agricultural University, 2015, 38(1) : 161-167.
- [15] Diao Xiuyong, Lu Zhixiong, Mei Shikun, Gong Jiahui, Zhong Wenjun. Combine simulation of the tractor wire hydraulic steering system[J]. Research of Agricultural Modernization, 2015, 36(2): 315-320.
- [16] Zhong Wenjun, Gao Qiang, Lu Zhixiong, Mei Shikun, Diao Xiuyong, Jiang Chunxia. Test and analysis of the tractor driver skidding of the wheels turn rate under the condition of the road driving[J]. Journal of HuaZhong Agricultural University, 2015, 34(4): 130—136.
- [17] Zhou Weiwei, Lu Zhixiong, Wu Jungan, etc., The tractor cab interface design of real-time information management system[J]. Journal of ZheJiang University, 2015, 27( 1) : 121-127.
- [18] Lu Zhixiong, Xu Hao, Liu Yiguan, etc., Reconstruction and analysis of the road surface based on the fractal interpolation[J]. Journal of Agricultural Engineering, 2014, 30 ( 22 ) : 188-194.
- [19] Wu Jungan, Diao Xiuyong, Lu Zhixiong, etc., Design of road feature characteristic of the tractor wire hydraulic steering[J]. Journal of Zhe Jiang Agriculture, 2014, 26( 6 ) : 1676-1681.
- [20] Huang Xu, Zhixiong Lu, Yandong Song, Hongleipang. Force-position adjustment design of tractor hitch system based on DSP. Applied Mechanics and Materials 462: 483-486. (EI)
- [21] Huang Xu, Yandong Song, Zhixiong Lu, Hongleipang. Tractor electro-hydraulic hitch system design based on DSP. Applied Mechanics and Materials Vols. 448-453 (2014)pp 3481-3484. (EI )
- [22] Zhixiong Lu\*, Jiang Xue Chang, Xue Feng Bai, Yang Lu, Jun Gan Wu. Analysis of Steering Control Strategy on Tractor's Hydraulic Steering By-wire System. Applied Mechanics and Materials, 487: 630-634, January, 2014 (EI)
- [23] Liu Yiguan Lu Zhixiong, Hoogmoed W B, Li Xiaoqin. Ploughing soil surface of the three-dimensional fractal interpolation reconstruction. Journal of agricultural machinery, 2014, (3) : 152-152..

**Authorized patents:**

1. Highland gap lance spray lance level control system. Patent for utility model: ZL 2015 20142176.2.

	<ol style="list-style-type: none"> <li>2. Soil bin testing trolley. Patent for utility model: ZL 2015 21010150.7.</li> <li>3. Single wheel soil bin test bench. Patent for utility model: ZL 201520566266.2.</li> <li>4. The tractor wire hydraulic steering road sense system. Patent for utility model: ZL201520131913.7.</li> <li>5. Air coupled ultrasonic detection method and device for tree annual ring. Invention patent: CN104101650A.</li> <li>6. Integrated information management device for tractor. Patent for utility model: ZL 2014 2 0317684.3.</li> <li>7. Non-contact laser ground surface roughness meter. Patent for utility model: ZL 2014 2 0117511.7.</li> <li>8. Tractor electro-hydraulic hitch loading test bench. Patent for utility model: ZL 201420116995.3.</li> <li>9. Electronic hydraulic steering experiment platform for tractor. Patent for utility model: ZL 2014 2 0226186.8.</li> <li>10. Flat needle ruler type soil surface roughness measuring equipment. Patent for utility model: ZL 2012 2 0043021.8.</li> <li>11. Tractor integrated information display system based on CAN bus. Patent for utility model: ZL 2012 2 0099194.1.</li> </ol>
<p style="text-align: center;"><b>Reward &amp; honor</b></p>	<ol style="list-style-type: none"> <li>[1] In 2016, won the National Excellent Resource Sharing Course (Automobile and Tractor Study) (Rank: 1st)</li> <li>[2] In 2016, was awarded the title of "Tianshan Scholar" in the Xinjiang Uygur Autonomous Region.</li> <li>[3] In 2016, won the sixth "Excellent Teacher Award" of Nanjing Agricultural University".</li> <li>[4] In 2015, won the second "Ho Fung Cup" national top ten agricultural teachers.</li> <li>[5] In 2014, won the Master Thesis (100 articles) of excellent professional degree in Jiangsu Province Year of 2014 (Rank: 1st)</li> <li>[6] In 2014, won the first prize of the Chinese Academy of agricultural machinery (Rank: 2nd)</li> <li>[7] In 2013, won the general higher education college graduation project (Thesis) in Jiangsu Province, Team of Excellent Graduation Project(Thesis) Supervisor (Rank: 1st).</li> <li>[8] In 2013, was awarded the Jiangsu Provincial Teaching Achievement Award (Higher Education) (Rank: 4th).</li> <li>[9] In 2013, won the 2012-2013 Chinese agricultural science prize (equal to the second prize of scientific research achievements) (Rank: 1st).</li> <li>[10] In 2004, won the second prize of national technological innovation (military composite sheet metal explosive welding technology) (Rank: 6th)</li> </ol>