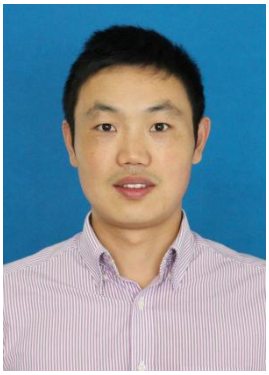
<table>
<tr><td>姓　名</td><td>刘龙申</td><td>性别</td><td>男</td><td rowspan="4">  </td></tr>
<tr><td>职　称</td><td>讲师</td><td>系别</td><td>电气工程系</td></tr>
<tr><td>学　位</td><td>博士</td><td>电话</td><td>18751909006</td></tr>
<tr><td>E-mail</td><td colspan="3">liulongshen@njau.edu.cn</td></tr>
<tr><td>单位地址</td><td colspan="2">南京市浦口区点将台路 40 号</td><td>邮编</td><td>210031</td></tr>
<tr><td>研究领域</td><td colspan="4">精准畜牧业</td></tr>
<tr><td>社会兼职</td><td colspan="4">中国农业机械学会青年工作委员会第五届委员会委员</td></tr>
<tr><td>承担项目</td><td colspan="4">1.江苏省苏北科技专项：苏淮猪品牌建设中安全优质猪肉生产管理体系研究（编号：BN2016097）
2.校人才引进启动基金：母猪产前行为模型构建与分娩时间预测研究（编号：rcqd14-05）
3.江苏省产学研项目：智能型猪用分娩床关键技术与系统集成研究（编号：BY2015071-06）
4.江苏省产学研项目：基于物联网农业信息化平台的关键技术研发（编号：BY2014128-01）</td></tr>
<tr><td>学术成果</td><td colspan="4">近期主要论文：
1. 刘龙申,沈明霞,柏广宇,等.基于机器视觉的母猪分娩检测方法研究[J].农业机械学报, 2014:45(3),237-242.
2. 刘龙申,沈明霞,姚文,等.基于加速度传感器的母猪产前行为特征采集与分析[J].农业机械学报, 2013:44(3),192-196.
3. 刘龙申,沈明霞,孙玉文,等.基于 FPGA 的农田图像采集与 3G 无线传输系统设计[J].农业机械学报,2011:42(12),186-190.
授权专利：
1. 基于 DSP 的 ZigBee 网络的农田数据流处理系统,发明专利,ZL200810124008.3,2009.04.徐友,沈明霞,刘龙申.
2. 基于 Android 平台的智能温室管理系统及其方法,发明专利,ZL201210039994.9, 2012.07.沈明霞,熊迎军,路顺涛,刘龙申.
3. 应用于温室环境监控的无线传感器网络智能网关,发明专利,ZL201210039992.X, 2012.07.沈明霞,熊迎军,陈林锋,刘龙申.
4. 基于嵌入式双相机平台的智能温室油桃果实生长速率无线监测系统,发明专利, ZL201210040542,2012.07.沈明霞,熊迎军,刘龙申.
5. 基于 DSP 的猪行为智能监测系统,实用新型专利,ZL201120313540.7,2012.04.赵茹茜,刘龙申,陆明洲.</td></tr>
<tr><td>奖励荣誉</td><td colspan="4">2016 年获“江苏农业科技奖二等奖”；
2016 年获“江苏农业机械工业科技奖一等奖”</td></tr>
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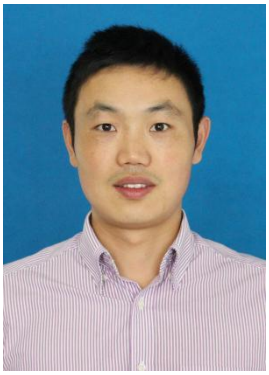
Teaching staff/ Personal information

<table>
<tr><td>Name</td><td>Liu Longshen</td><td>Gender</td><td>Male</td><td rowspan="4">  </td></tr>
<tr><td>Title</td><td>lecturer</td><td>Department</td><td>Department of electrical engineering</td></tr>
<tr><td>Degree</td><td>PhD</td><td>Telephone</td><td>18751909006</td></tr>
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<tr><td>Research field</td><td colspan="4">Precision Livestock Farming</td></tr>
<tr><td>Social appointments</td><td colspan="4">The fifth committee of youth work committee of Chinese society for agricultural machinery</td></tr>
<tr><td>Research projects</td><td colspan="4">1.Northern jiangsu science and technology projects: okazaki t pigs to produce high quality pork safety management system in the construction of brand research(No.BN2016097)
2.Start school talent introduction fund: sow antenatal behavior model building and the delivery time(No.rcqd14-05)
3.Production project in jiangsu province: intelligent pig key technology and system integration research with delivery bed(No.BY2015071-06)
4.Production project in jiangsu province: based on Internet of things in agricultural information platform of the key technology research and development(No.BY2014128-01)</td></tr>
<tr><td>Academic achievements</td><td colspan="4">Recent major papers:
1.Long-shen Liu, ming-xia Shen, BaiGuangYu, etc. The sow childbirth detection method based on machine vision research [J]. Journal of agricultural machinery, 2014, 45 (3), 237-242.
2.Long-shen Liu, ming-xia Shen, Yao Wen, etc. Based on sow antenatal behavior characteristic collection and analysis of the acceleration sensor [J]. Journal of agricultural machinery, 2013, 44 (3), 192-196.
3.Long-shen Liu, ming-xia Shen, Yu-wen Sun, etc. Farmland image acquisition based on FPGA and 3G wireless transmission system design [J]. Journal of agricultural machinery, 2011, 42 (12), 186-190.
Authorized patents:
1. ZigBee network based on DSP farmland data stream processing system, invention patent, ZL200810124008.3, 2009.04 Xu You, Ming-xia Shen, Long-shen Liu.
2. Intelligent greenhouse management system and its method based on the Android platform, invention patent, ZL201210039994.9, 2012.07 Ming-xia Shen, Ying-jun Xiong, Shun-tao Lu, Long-shen Liu.
3. Applied in greenhouse environmental monitoring of intelligent wireless sensor network gateway, invention patent, ZL201210039992. X, 2012.07 Ming-xia Shen, Xiong Yingjun, Chen Linfeng, Long-shen Liu.
4. Double camera platform based on embedded intelligent greenhouse nectarine fruit growth rate of the wireless monitoring system, invention</td></tr>
</table>

	patent, ZL201210040542, 2012.07 Ming-xia Shen, Ying-jun Xiong, Long-shen Liu. 5.Pig behavior intelligent monitoring system based on DSP, the patent for utility model, ZL201120313540.7, 2012.04 Ru-qian Zhao, Long-shen Liu, Ming-zhou Lu.
Reward & honor	In 2016 won the second prize of Jiangsu province agricultural science; In 2016 won first prize Jiangsu agricultural machinery industry awards.