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|--------|--|----|-------------|---|
| 姓 名    | 丁永前  | 性别 | 男           |  |
| 职 称    | 副教授  | 系别 | 电气工程系       |   |
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| 单位地址   | 南京市浦口区点将台路 40 号  | 邮编 | 210031      |   |
| 研究领域   | 智能农业装备，农业信息化与自动化   |    |             |   |
| 社会兼职   | 全国农业机械标准化技术委员会农业电子分技术委员<br>中国农业工程学会青年科技工作委员会<br>中国农业机械学会青年工作委员会  |    |             |   |
| 承担项目   | <ol style="list-style-type: none"> <li>1. 国家重点研发计划子课题，作物养分在线感知技术及传感器研发（2016YFD070030403），主持，2016.7-2020.12,150 万</li> <li>2. 十二五国家科技支撑计划课题，土壤肥力培育机械化关键技术研究示范（2013BAD08B04），主要成员，2013.1-2017.12，50 万（可支配）。</li> </ol>   |    |             |   |
| 学术成果   | <p>近期主要论文：</p> <ol style="list-style-type: none"> <li>1. Xiangze Lin, Yongqian Ding, Shihua Li. Set Stabilization of Chua's Circuit via Hybrid Control Strategy [J]. ICIC Express Letters, 2010, 4(5(A)):1579-1584. (EI)</li> <li>2. 丁永前, 丁为民. 颗粒料质量流量测量误差动态估算方法[J]. 农业机械学报, 2012, 43: 314-317. (EI)</li> <li>3. 丁永前, 朱艳, 李杨, 王致情, 谭星祥, 曹卫星. 基于主动光源的作物冠层反射光谱测量方法[J]. 农业机械学报, 2013, 44 (12) : 209-214. (EI)</li> <li>4. 丁永前, 李杨, 谭星祥, 曹卫星, 朱艳. 冠层反射光谱测量中主动光源光谱稳定性控制方法研究[J]. 农业机械学报, 2014, 45(6):284-290. (EI)</li> <li>5. 丁永前, 王致情, 林相泽, 毕伟平, 薛金林. 自主跟随车辆航向控制系统的设计与实现[J]. 农业机械学报, 2015, 46(1): 8-13. (EI)</li> <li>6. LI Yang, <b>DING Yongqian*</b>, LIN Xiangze, et al. The Parameters Design of Signal Processing Circuit for Crop Canopy Spectrometer Based on Active Light Source [C]. Proceedings of the 33rd Chinese Control Conference, Shanghai: System Science Press, 2014:7370-7373. (EI)</li> <li>7. 毕伟平, 余洪锋, 张欢, 丁永前*, 王波, 瞿振林. 基于双目视觉的主从式果园作业车辆自主跟随系统设计 [J]. 湖南农业大学学报, 2016, 42(3):344-348.</li> <li>8. 余洪锋, 丁永前*, 谭星祥, 毕伟平, 王波, 丁为民. 施肥机施肥性能检测装置的设计与试验, 南京农业大学学报, 2016, 39(3):511-517.</li> </ol> <p>[9] Guoxiang SUN, Huan ZHANG, <b>Yongqian DING*</b>, Zhenlin QU, Weiping BI, Hua LI. Method of Measuring the Spectral Reflectance of Crop Canopy Based on Three-Dimensional Structural Analysis. Proceeding of 2016 IFAC Conference, (Seattle,</p> |    |             |   |

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|                    | <p>WA, USA, Peer reviewed), IFAC-Papers On Line 49-16 (2016) 194–198. (EI)</p> <p><b>授权专利:</b></p> <ol style="list-style-type: none"> <li>1. 一种主动光源式作物冠层反射光谱测量装置及其方法, 发明专利, ZL201310180901. 9.</li> <li>2. 一种主动光源式作物冠层反射光谱测量装置用信号处理系统及方法, ZL201310216682. 5.</li> <li>3. 一种应用于冠层反射光谱测量的测距系统及其方法, ZL201310340117. X.</li> <li>4. 一种作物冠层反射光谱测量中主动光源有效辐照区域测定装置及方法, ZL201310362231. 2.</li> </ol> |
| <p><b>奖励荣誉</b></p> | <p>2014 年被评为第七批中央和国家机关、中央企业优秀援疆干部人才 (中共新疆维吾尔自治区委员会和新疆维吾尔自治区政府颁发)</p>  |

## Teaching staff/Personal information ( 样表 )

|                              |  |                   |                              |   |
|------------------------------|--|-------------------|------------------------------|---|
| <b>Name</b>                  | Yongqian Ding  | <b>Gender</b>     | Male                         |  |
| <b>Title</b>                 | Associate Prof.  | <b>Department</b> | Electrical Engineering Dept. |   |
| <b>Degree</b>                | Ph.D   | <b>Telephone</b>  | 86+25+58606541               |   |
| <b>E-mail</b>                | yongqiand@njau.edu.cn  |                   |                              |   |
| <b>Unit address</b>          | 40 Dianjiangtai Rd., Pukou District, Nanjing City, China.  | <b>Post code</b>  | 210031                       |   |
| <b>Research field</b>        | Intelligent Agricultural Equipment, Agricultural informatization and Automation  |                   |                              |   |
| <b>Social appointments</b>   | <p>Member of</p> <ol style="list-style-type: none"> <li>1.Subcommittee 6 on Agricultural Electronics of National Technical Committee 201 on Agricultural Machinery of Standardization Administration of China</li> <li>2. Youth Science and Technology Committee of China society of agricultural engineering</li> <li>3. Youth Science and Technology Committee of China society of agricultural machinery</li> </ol>   |                   |                              |   |
| <b>Research projects</b>     | <ol style="list-style-type: none"> <li>1. State's Key Project of Research and Development Plan, 2016YFD070030403.</li> <li>2. “the twelfth 5 years plan” National Science and technology support program, 2013BAD08B04.</li> </ol>   |                   |                              |   |
| <b>Academic achievements</b> | <p><b>Recently published papers:</b></p> <ol style="list-style-type: none"> <li>1. Xiangze Lin, Yongqian Ding, Shihua Li. Set Stabilization of Chua's Circuit via Hybrid Control Strategy [J]. ICIC Express Letters, 2010, 4(5(A)):1579-1584. (EI)</li> <li>2.Ding Yongqian, Ding Weimin. Dynamic Estimation Measurement Error of Mass Flow Rate [J]. Transactions of CSAM,2012,43:314-317. (EI)</li> <li>3. Ding Yongqian, ZhuYan, Li Yang, Wang Zhiqing, Tan Xingxiang, CaoWeixing. A method for measuring reflection spectrum of crop canopy based on active light source[J]. Transactions of CSAM, 2013,44(12):209-214. (EI)</li> <li>4. Ding Yongqian, Li Yang, Tan Xingxiang, CaoWeixing, ZhuYan. Controlling Stability of Active Light Source Spectra During Measuring Reflection Spectra of Canopy [J]. Transactions of CSAM, 2014,45(6):284-290. (EI)</li> <li>5. Ding Yongqian, Wang Zhiqing, Lin Xiangze, Bi Weiping, Xue Jinlin. Heading control system of autonomous following vehicle [J]. Transactions</li> </ol> |                   |                              |   |

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|                                  | <p>of CSAM, 2015, 46(1): 8-13. (EI)</p> <p>6.LI Yang, <b>DING Yongqian*</b>, LIN Xiangze, et al. The Parameters Design of Signal Processing Circuit for Crop Canopy Spectrometer Based on Active Light Source [C]. Proceedings of the 33rd Chinese Control Conference, Shanghai: System Science Press,2014:7370-7373. (EI)</p> <p>7. Bi Weiping, Yu Hongfeng, Zhang Huan, <b>Ding Yongqian*</b>, Wang Bo, Qu Zhenlin. Design of autonomous following system for master-slave vehicles operating in orchard based on binocular stereo vision [J].Journal of Hunan Agricultural University ,2016, 42(3):344-348.</p> <p>8. Yu Hongfeng, <b>Ding Yongqian*</b>, Tan Xingxiang, Bi Weiping, Wang Bo, Ding Weimin. Design and experiments on equipment for detecting performance of fertilizer applicator, Journal of Nanjing Agricultural University, 2016,39(3):511-517.</p> <p>[9] Guoxiang SUN, Huan ZHANG, <b>Yongqian DING*</b>, Zhenlin QU, Weiping BI, Hua LI. Method of Measuring the Spectral Reflectance of Crop Canopy Based on Three-Dimensional Structural Analysis. Proceeding of 2016 IFAC Conference, (Seattle, WA, USA, Peer reviewed), IFAC-Papers On Line 49-16 (2016) 194–198. (EI)</p> <p><b>Granted Patents:</b></p> <ol style="list-style-type: none"> <li>1. A measurement device and method for canopy crop reflectance spectrum based on active light, ZL201310180901.9.</li> <li>2. A signal processing system and method for crop canopy reflectance measuring device based on active light, ZL201310216682.5.</li> <li>3. A ranging system and method for measuring canopy reflectance spectra,, ZL201310340117.X.</li> <li>4. An apparatus and method for determining effective irradiation during measuring crop canopy reflectance based on active light source, ZL201310362231.2.</li> </ol> |
| <p><b>Reward &amp; honor</b></p> | <p>In 2014, Was granted as the excellent talent for supporting Xinjiang of the seventh group of the Central and State organs, the central enterprise (CPC Xinjiang Uygur Autonomous Region and the Xinjiang Uygur Autonomous Region Government issued)</p>  |