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教育工作经历

- 2012年至今, 任职福州大学电气工程与自动化学院, 副教授;
- 2018年至今, 丹麦技术大学电气工程学院, 访问学者;
- 2013-2015年, 浙江大学电气工程博士后流动站, 博士后研究;
- 2010年, 毕业于福州大学电气工程专业, 获得工学博士学位;
- 2003年, 毕业于福州大学控制理论与控制工程专业, 获得工学硕士学位;
- 2002年, 毕业于福州大学工商管理专业, 获得管理学第二学士学位;
- 2000年, 毕业于福州大学工业自动化专业, 获得工学学士学位;

主要研究方向

- 1、模糊非线性系统, 网络化控制系统滤波与控制技术; 鲁棒耗散控制;
- 2、电力电子变换器建模与控制技术; 复杂电力电子系统智能控制与故障诊断技术;
- 3、可再生能源高效利用技术, 综合能源网络优化与控制;

学术兼职

《IEEE Transactions on Industry Electronics》、《Optimal Control, Applications and Methods》等期刊的审稿人。

代表性科研项目

- 1、2017-2020, 复杂电力电子系统智能控制与故障诊断技术研究, 总经费120万/人民币, 主持人。
- 2、2017-2020, Energy Technology Development and Demonstration Program (EUDP, 丹麦国家重点项目, 批准号:EUDP j.nr. 64017-0582), Secure Power Grid Control (SPGC), 总经费960万DKK, 骨干成员。
- 3、2016-2019, 福建省自然科学基金(项目号2016J05154), 基于控制参数化的蒸发过程运行优化控制方法研究, 主要成员。
- 4、2016-2019, 福建省教育厅基金(项目号JAT160067), 复杂时滞关联系统控制参数的协调优化研究, 主要成员。
- 5、2014-2016, 基于新型拓扑和控制技术的电力电子变换器研究。
- 6、2014-2015, 坚强智能电网-高压电缆工井无线取电自动水位监管系统。
- 7、2013-2014, 1KVA高频高效高功率密度UPS研究。
- 8、2011-2013, 电力电子装置数字化控制技术研究。
- 9、2009-2011, 国家自然科学基金(项目号60874059), 具有状态约束系统的可靠跟踪技术研究。
- 10、2009-2011, 福建省自然科学基金(项目号2009J01279), 具有多包丢失网络化系统控制理论与技术。
- 11、2009-2011, 福建省教育厅基金(项目号JB09018), 基于模糊控制的逆变器模型校正技术。
- 12、2007-2009, 国家自然科学基金(项目号60604027), 具有随机时延网络化系统多指标滤波与控制。
- 13、2007-2009, 福建省自然科学基金(项目号2007J0018), 应用于负载诊断的网络滤波器设计。

代表性论文

- 1、**Qiongbin Lin***, Shican Chen, Chih-Min Lin, Parametric Fault Diagnosis Based on Fuzzy Cerebellar Model Neural Networks, *IEEE Transactions on Industrial Electronics*, early access. DOI: 10.1109/TIE.2018.2884195 (SCI一区, 顶级期刊, 影响因子7.1).
- 2、X Zeng, **Q Lin***, F Cai, W Wang, X Su, An Improved Bidirectional Dual Buck DC-AC Converter, *2018 IEEE International Power Electronics and Application Conference and Exposition (PEAC)*. (EI)
- 3、Limei Huang, Wu Wang, Sixiong Chen, **Qiongbin Lin***, cct., Improved model predictive current control of a dual buck full-bridge inverter, *2018 3rd International Conference on Intelligent Green Building and Smart Grid (IGBSG)*. (EI)
- 4、Chen Jiaqiao, **Lin Qiongbin***, Lin Xian-lin, Lu Zhi-gang, Analysis of circulation Based on Magnetic Integrated Dual Buck Inverter. *Power Electronics*, 2018, 52(3), 67-69.
- 5、Liu Qihua, **Lin Qiongbin***, Su Xianjin, High Efficiency Interleaved PFC Design for Vehicular Charger, *Journal of Fuzhou University (Natural Science Edition)*, 2018, 46(6), 846-852.
- 6、**Lin, Qiongbin***, Wu, W., Liu, Q., & Lai, T. Kalman filtering for genetic regulatory networks with missing values. *Comput Math Methods Med.*, 2017(3), 1-9. DOI: 10.1155/2017/7837109. (SCI).
- 7、**Lin, Qiongbin***, Lu, Z., Ping, N., Zeng, X., Wang, W., & Su, X. Hybrid digital control of dual buck half bridge inverter. *Chinese Automation Congress*, 2017, pp.6499-6504. (EI)

- 8、Lin, Qiongbin*, et al. Dissipative fuzzy control of nonlinear networked control systems with multiple packet dropout. *2017 Australian and New Zealand Control Conference (ANZCC)*, IEEE, 2017. (EI)
- 9、Wang, W., Lu, D., Lin, Q.* & Cai, F. (2017). Resonant capacitor voltage feedback of single-input multi-output flyback converter. *Transactions of China Electrotechnical Society*. (EI)
- 10、Cai, F., Lu, D., Lin, Q.* & Wang, W. (2016). Control strategy design of grid-connected and stand-alone single-phase inverter for distributed generation. *Journal of Power Electronics*, 16(5), 1813-1820.(SCI)
- 11、Wang, W., Lu, D., Chai, Q., Lin, Q.* & Cai, F. Analysis of fly-buck converter with emphasis on its cross-regulation. *IET Power Electronics*, 2017, 10(3), 292-301. DOI: 10.1049/iet-pel.2016. 0272. (SCI)
- 12、Wang Wu, Lu Dexiang, Lin Qiongbin*, Cai Fenghuang. Resonant Capacitor Voltage Feedback of Single-Input Multi-Output Flyback Converter, *Transactions of China Electrotechnical Society*, 2017, 32(14), 96-105.(EI)
- 13、CAI Feng-huang, ZHANG Ting-ting, LIN Qiong-bin*. Research on Embedded PI+Repetitive Control Applied to Dual Buck Inverter. *Power Electronics*, 2017, (5) 106-108
- 14、Wang, W., Lin, X., Chen, J., Cai, F., Chai, Q., & Lin, Q.* Non-circulating-current magnetic-integrated three-bridge dual-buck inverter. *Electronics Letters*, 2017, 53 (22), 1485-1487. DOI: 10.1049/el.2017.2970 (SCI)
- 15、Qinqin CHAI, Qiongbin LIN*, Shuangjie LIN. Optimal Control of an Evaporation Process Using a Fast Particle Swarm Optimization Algorithm. *The Chinese Journal of Process Engineering*, 2017, 17(3), 539-544. (EI)
- 16、ZHANG Tingting, CAI Fenghuang, LIN Qiongbin*, WANG Wu. Model of IGBT Driving Circuit and the Design of Grid Resistance. *Low Voltage Apparatus*, 2016, (10), 13-17.
- 17、CHAI Qinqin, LIN Shuangjie, LIN Qiongbin*. Final time optimal control for time delay systems using control vector parameterization, *Journal of Fuzhou University (Natural Science Edition)*, 2016, 44(6), 779-783.
- 18、Cai, F., Lin, Q.* & Wu, W. (2014). Island detection by active frequency drift method with harmonic compensation. *Electric Power Automation Equipment*, 34(9), 54-58. (EI)
- 19、CAI Fenghuang, WANG Wu, LIN Qiongbin*, LI Yurong. (2011). H-infinity filtering for networked switched systems with random communication time-delays. *Control Theory & Applications*. 28(3), 309-314. (EI)
- 20、Qiongbin Lin*, Fuwen Yang, Wu Wang. (2010). Dissipative fuzzy filtering for nonlinear systems with multiple packet dropouts. *Control Theory & Applications*. 27 (3), 363-368. (EI)
- 21、Qiongbin Lin*, Wu Wang, Fuwen Yang, Fuzzy Dissipative Filtering for Nonlinear Systems with Stochastic Delay, *Systems Engineering and Electronics*. 2009, 31 (10):2434-2439. (EI)
- 22、Qiongbin Lin*, Fuwen Yang, Wu Wang, Dissipative Fuzzy Controller for Networked Nonlinear System with Missing Data. *International Conference on Chinese Control and Decision Conference. IEEE Press*, 2009:576-581. (EI)
- 23、Qiongbin Lin*, Wu Wang, Fuwen Yang, Dissipative Filtering for Fuzzy Nonlinear Systems with Missing Data, *Journal of Fuzhou University(Natural Science Edition)*, 2009, 37(4):519-524. (EI)
- 24、LIN Qiong-bin*, WANG Wu, CAI Feng-huang, Robust PID Controller with Regional Pole Assingment for Inverter Control System, *Second Annual Conference of Fujian Power Association*, 2009: 87-92.
- 25、Lin Qiongbin*, Cai Fenghuang, Wang Wu, Yang Fuwen. Mixed H2/H ∞ Control for Networked Control System with Missing Data. *Proceedings of the 7th World Congress on Intelligent Control and Automation*, 8149-8153, 2008. (EI)
- 26、Lin Qiongbin*, Cai Fenghuang, Yang Fuwen, Wang Wu. Dissipative Control for Networked Nonlinear System with Random delay. *Proceedings of the 7th World Congress on Intelligent Control and Automation*, 8820-8823, 2008. (EI)
- 27、Lin Qiongbin*, Yang Fuwen. Multiobjective Fixed-order Controllers for MIMO systems. *2008 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008*, 1494-1497, 2008. (EI)
- 28、Wang Wu, Lin Qiongbin*, Cai Feng-huang, Yang Fu-wen. Robust passive filtering for a polytopic uncertain networked system, *Systems Engineering and Electronics*, 2008, 30(4), 625-631. (EI)
- 29、Wang Wu, Lin Qiong-bin*, Cai Feng-huang, Yang Fu-wen. Design of H-infinity Output Feedback Controller for Networked Control System with Random delays, *Control Theory & Applications*. 2008, 25(5), 920-924. (EI)
- 30、Wang Wu, Lin Qiongbin*, Cai Fenghuang, Yang Fuwen. L_2 - L_∞ output Feedback Control for a Class of Networked System with Random delay. *IEEE International Conference on Control and Automation, ICCA 2008*, 2555-2559. (EI)
- 31、CAI Bi-zhen, LIN Qiong-bin*, WANG Wu, YANG Fu-wen, H_∞ PI fuzzy Controller Design for Nonlinear Discrete-time systems, *Journal of Fuzhou University (Natural Science Edition)*, 2008, 36:101-104.
- 32、Ran Huajun, Wang Wu, Lin Qiongbin*, Yang Fuwen. Non-fragile Dissipative Fuzzy Control for Nonlinear Discrete-time Systems via T-S model. *Proceedings of the 7th World Congress on Intelligent Control and Automation*, 4659-4662, 2008. (EI)
- 33、Wang Wu, Cai Feng-huang, Lin Qiongbin*. H-infinity Filter Design for Discrete-time Networked Systems with Random Communication Delays, *Control Theory & Applications*. 2007, 24(3): 366-370, 379. (EI)
- 34、Wang Wu, Cai Feng-huang, Lin Qiongbin*, Yang Fu-wen. L_2 - L_∞ Filtering for Networked Systems with Missing Measurements. *Control Theory & Applications*, 2007, 24(6): 919-923. (EI)
- 35、WANG Wu, LIN Qiong-bin*, YANG Fu-wen, H_∞ Output Feedback Control for Networked Control System with Data Missing, *Information and Control*, 2007, 36(3): 285-292, 301. (EI)
- 36、Lin Qiongbin*, Cai Fenghuang, Yang Fuwen, Design of Multiobjective Robust PID Controller for Systems with Parameter Uncertainties, *Journal of Southeast University (Natural Science Edition)*, 2006, 7(36): 186-189. (EI)
- 37、Qiongbin Lin*, Fuwen Yang, PID Controller Design via LMI Approach. *The 2002 International Conference on Control and Automation*, 2002.6, pp: 89-93. (EI)
- 38、LIN Qiong-bin*, YANG Fu-wen, The Application of Siemens PLC in Monitored Control System for Tanker-loading Oil, *Journal of Xiamen University (Natural Science)*, 2001, 40(S1), pp: 146-149.

授权发明专利

- 1、一种双buck半桥逆变器的混合控制算法, 授权专利号ZL201610303895.5
- 2、高可靠性的单相双向DC-AC变换器及其控制方法, 授权专利号CN201610303895.5
- 3、一种便于携带的三相电压电流校准仪器及其控制方法, 授权专利号CN201810479569.9
- 4、一种具有正向电压输出的新型无桥Cuk PFC变换器, 授权专利号CN201510691969.2
- 5、一种PFC电流断续模式的峰值电流控制方法, 授权专利号CN201510332268.X

上一篇: 李少纲

下一篇: 林珍

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