常乐, Ph.D

✉ le@lchang.me   📞 +86 13162997351

🌐 http://lchang.me/   💬 armand90

教育经历

2012.09 – 2020.12   🔖 **博士. 控制工程与科学学院, 山东大学**

新能源与高效节能国家地方联合工程研究中心

专业：控制理论与控制工程

学位论文: 三角非线性多智能体与大规模系统的分布式控制研究

导师：张承慧教授 (教育部长江学者)、张宪福 (山东省泰山学者)

2008.09 – 2012.07   🔖 **本科. 数学学院, 山东大学**

专业：数学与应用数学，国家理科基地班

访学经历

2017.12 – 2019.12   🔖 **访问学生, 澳大利亚斯威本科技大学**

导师：Prof. Qing-Long Han (IEEE Fellow), Xiaohua Ge

发表论文

- **Chang, L.**, Han, Q.-L., Ge, X., Zhang, C., & Zhang, X. (2021). On designing distributed prescribed finite-time observers for strict-feedback nonlinear systems. *IEEE Transactions on Cybernetics, 51*(9), 4695–4706. 🔗 https://doi.org/10.1109/TCYB.2019.2951067

- **Chang, L.**, Zhang, C., Zhang, X., & Chen, X. (2017). Decentralised regulation of nonlinear multi-agent systems with directed network topologies. *International Journal of Control, 90*(11), 2338–2348. 🔗 https://doi.org/10.1080/00207179.2016.1245868

- **Chang, L.**, Zhang, C., Chen, X., & Zhang, X. (2015). Adaptive state estimation for a class of system with nonlinear parametrization. *The 27th Chinese Control and Decision Conference (2015 CCDC)*, 1610–1613. 🔗 https://doi.org/10.1109/CCDC.2015.7162176

- Zhang, C., **Chang, L.**, & Zhang, X. (2014). Leader-follower consensus of upper-triangular nonlinear multi-agent systems. *IEEE/CAA Journal of Automatica Sinica, 1*(2), 210–217. 🔗 https://doi.org/10.1109/JAS.2014.7004552

- Chen, X., Zhang, X., Zhang, C., & **Chang, L.** (2020). A time-varying high-gain approach to feedback regulation of uncertain time-varying nonholonomic systems. *ISA transactions, 98*, 110–122. 🔗 https://doi.org/10.1016/j.isatra.2019.08.062

- Li, H., Zhang, X., & **Chang, L.** (2019). Output feedback regulation of a class of triangular structural nonlinear systems with unknown measurement sensitivity. *International Journal of Systems Science, 50*(13), 2486–2496. 🔗 https://doi.org/10.1080/00207721.2019.1671529

- Chen, X., Zhang, X., Zhang, C., & **Chang, L.** (2018). Global asymptotic stabilization for input-delay chained nonholonomic systems via the static gain approach. *Journal of the Franklin Institute, 355*(9), 3895–3910. 🔗 https://doi.org/10.1016/j.jfranklin.2018.03.009

- Chen, X., Zhang, X., **Chang**, **L.**, & Zhang, C. (2016). Feedback stabilization for cross triangular nonlinear systems. *2016 Chinese Control and Decision Conference (CCDC)*, 1759–1763. 🔗 https://doi.org/10.1109/CCDC.2016.7531266

待发表论文

已投

- **Chang**, **L.**, Ding, D., & Fu, C. (2021). Global stabilization for slowly time-varying feedforward nonlinear systems via intermittent control [Submitted to Automatica].

- **Chang**, **L.**, & Fu, C. (2021a). Designing a stabilizing control for nonlinear feedforward systems with unknown input saturation [Submitted to IEEE control systems letters].

- Zhang, C., **Chang**, **L.**, & Zhang, X. (2021). Dynamic gain design for fixed-time stabilization of linear and nonlinear control systems [Submitted to Automatica].

准备中

- **Chang**, **L.**, Zhang, C., & Zhang, X. (2022a). *Distributed dynamic gain scheduling control for a class of interconnected nonlinear systems.*

- **Chang**, **L.**, Zhang, C., & Zhang, X. (2022b). *Group consensus for nonlinear heterogeneous multi-agent systems.*

- **Chang**, **L.**, & Fu, C. (2021b). *Global finite-time stabilization of nonlinear systems via dynamic intermittent output feedback control.*

参与项目

2016.01 – 2016.12	🔖	国家自然科学基金：时滞正 Markov 跳变系统的分布式控制与滤波
2016.01 – 2019.12	🔖	国家自然科学基金：时变三角非线性时滞系统的变增益控制设计
2019.01 – 2022.12	🔖	国家自然科学基金：新能源汽车用高强度刹车片成型动态浮力称量控制方法研究与应用