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## 工作经历

- 2023.09 – current 📌 讲师 | 电气工程学院 | 上海电力大学 | 上海 | 中国
- 2021.03 – 2023.07 📌 博士后 | 控制科学与工程流动站 | 上海交通大学 | 上海 | 中国

## 教育经历

- 2012.09 – 2020.12 📌 博士 | 控制科学与工程学院 | 山东大学 | 济南 | 中国  
专业: 控制理论与控制工程  
导师: 张承慧教授 (IEEE Fellow), 张宪福教授
- 2017.12 – 2019.12 📌 访问学生 | 工程和技术学院 | 斯威本科技大学 | 墨尔本 | 澳大利亚  
专业: 控制理论与控制工程  
导师: Qing-Long Han 教授 (IEEE Fellow), 和 Xiaohua Ge 博士
- 2008.09 – 2012.07 📌 本科 | 数学学院 | 山东大学 | 济南 | 中国  
专业: 数学与应用数学 (国家理科基地班)

## Publication

### Book

- Zhang, C., **Chang, L.**, & Fu, C. (2023). *Variable gain control and its applications in energy conversion*. CRC Press. 🌐 <https://doi.org/10.1201/9781003392927>

### Papers

- **Chang, L.**, Xiaohua, G., Ding, D., & Fu, C. (Early Access). Stabilization for a class of feedforward nonlinear systems via pulse-width-modulated controllers. *IEEE Transactions on Automatic Control*. 🌐 <https://doi.org/10.1109/TAC.2023.3317373>
- **Chang, L.**, & Fu, C. (2023). Designing a stabilizing control for nonlinear feedforward systems with unknown input saturation. *International Journal of Robust and Nonlinear Control*, 33(3), 2078–2089. 🌐 <https://doi.org/10.1002/rnc.6502>
- **Chang, L.**, Shao, X., & Zhang, D. (2023). Stabilization for a class of strict-feedback nonlinear systems via the pwm control law. *Journal of the Franklin Institute*, 8550–8568. 🌐 <https://doi.org/10.1016/j.jfranklin.2023.06.027>
- **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.**, Xing, L., & Zhang, X. (2023). Fixed-time stabilization of a class of strict-feedback nonlinear systems via dynamic gain feedback control. *IEEE/CAA Journal of Automatica Sinica*, 10(2), 403–410. <https://doi.org/10.1109/JAS.2023.123408>
- 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>

## Submitted papers

- **Chang, L.** (2023a). Global output-feedback stabilization for nonlinear systems via a switching control gain approach [Submitted to *International Journal of Control*].
- **Chang, L.** (2023b). Sampled-data feedback control for a class of nonlinear systems via intermittent hold [Submitted to *IEEE Transactions on Automatic Control*].

## 技能

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|------|-------------------------------------------------------------|
| 外语能力 | ■ 熟练使用英语交流、写作                                               |
| 专业技能 | ■ PID 控制, Kalman 滤波, 分布式控制, 李亚普诺夫分析                         |
| 编程   | ■ Matlab, Python, L <sup>A</sup> T <sub>E</sub> X, C++, ... |
| 其他   | ■ 学术研究, 项目撰写, L <sup>A</sup> T <sub>E</sub> X 编辑和期刊发表       |