姓名/Name	李忘言/Wangyan LI
职称/Title	副教授/Associate Professor, 硕士生导师/Master's supervisor
研究领域/Research interests	控制论/control theory, 数据驱动/data-driven, 信息融合/information fusion, 故障诊断/fault diagnosis, 耗散性/dissipativity, 智能制造/advanced manufacturing
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部门/Department	数学系/Department of mathematics
实验室/Laboratory	多源数据融合与分析实验中心 （负责人）
更多信息/ Want to see more	**Google Scholar**: Wangyan Li **Linkedin**: Wangyan LI **Github:** USST-LiLAB 小红书 **ID**：1103613522

教育背景与工作经历/Education Background & Working Experience:

Apr. 2021 – Present, 上海理工大学 (University of Shanghai for Science and Technology, Shanghai), 副教授/Associate Professor

Sep.2023 – Sep.2025, 新南威尔士大学化工学院 (University of New South Wales, Sydney)，乘风计划 访问学者/Visiting Fellow

Aug. 2018 – Jan. 2021, 新南威尔士大学化工学院 (University of New South Wales, Sydney)，博后/Postdoctoral Fellow

Aug. 2017 – Aug. 2018, 格里菲斯大学工程学院 (Griffith University, Gold Coast)，研究助理/ Research Associate

Nov. 2015 – Jan. 2016，香港城市大学数学系 (City University of Hong Kong, Hong Kong)，研究助理/Research Associate

Sep. 2011 – Mar. 2017，上海理工大学 (University of Shanghai for Science and Technology, Shanghai)，硕博连读/Ph.D. Candidate

科研项目及成果/Research Performance

部分科研论文(Selected publications)：

1. **Li W.,** Wang Z., Ho D. W., Wei G., On boundedness of error covariances of for Kalman consensus filtering problems, *IEEE Transactions on Automatic Control*, 2019, 65(6): 2654-2661.

2. **Li W.**, Wei G., Han F., Liu Y., Weighted average consensus-based unscented Kalman filtering, *IEEE Transactions on Cybernetics*, 2015, 46(2): 558-567.（ESI highly cited paper）

3. **Li W.**, Yang F., Thiel D. V., Wei G., Minimal number of sensor nodes for distributed Kalman filtering, *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 2022, 52(3): 1778–1786.

4. **Li W.**, Wei G., Ho D. W., Ding D., A weightedly uniform detectability for sensor networks, *IEEE Transactions on neural networks and learning systems*, 2018, 29(11): 5790-5796.

5. **Li W.**, Yan Y., Bao J., Dissipativity-based distributed fault diagnosis for plantwide chemical processes, *Journal of Process Control*, 2020, 96: 37-48.

6. **Li W.**, Yan Y, and Bao J, Data-Based Fault Diagnosis via Dissipativity-Shaping, **IEEE Control Systems Letters**, 2023, 7: 484-489.

7. **Li W.**, Yang F., Wei G., A novel observability Gramian-based fast covariance intersection rule, *IEEE Signal Processing Letters*, 2018, 25(10): 1570-1574.

8. **Li W.**, Wei G., Ding D., Liu Y., Alsaadi F. E., A new look at boundedness of error covariance of Kalman filtering, *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 2018, 48(2): 309-314.

9. **Li W.,** Zhuo Y., Bao J., and Shen Y., A data-based soft-sensor approach to estimating raceway depth in ironmaking blast furnaces, *Powder Technology,* vol. 390, pp.529–538, Sep. 2021.

10. **Li W,** Wei G and Yang F., Uniform Detectability-Aided Boundedness Analysis of Error Covariances of Kalman Filter for Time-Varying Systems, *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, vol. 52, no. 8, pp. 4798-4806, Aug. 2022, doi: 10.1109/TSMC.2021.3105303.

11. Wei G., **Li W,** Ding D., Liu Y., Stability analysis of covariance intersection-based Kalman consensus filtering for time-varying systems, *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 2020, 50(11): 4611-4622.

12. Yao M., Wei G., Ding D., **Li W**, (2022). Output-feedback control for stochastic impulsive systems under Round-Robin protocol. *Automatica*, 143, 110394.

13. **Li W.,** Hu Y., Wu L., Wei G., and Yang F., Chernoff fusion using observability Gramian-centric weighting, *Information Sciences,* vol. 662, pp.120280, 2024.

专著/Monographs：

李忘言，魏国亮. 面向传感器网络的一致性卡尔曼滤波. 北京：机械工业出版社，2023

科研项目/Grants：

1. 2022/01-2024/12，系统状态局部不可观(检)情形下分布式多源信息融合方法研究(Distributed multi-sensor fusion for locally unobservable/undetectable systems)，国家自然科学基金青年基金项(National Natural Science Foundation of China; NSFC:62103283), 30 万(300 000 RMB)。

2. 2021-2024，上海市高校特聘副教授岗位计划，30 万(300 000 RMB)。

3. 2022-2024，上海高校青年教师培养资助计划，上海市教委，4 万(40 000 RMB)。

4. 2023-2024，一流研究生教育引领计划-教材建设项目-智能优化理论与应用，5 万(50 000 RMB)。

5. 2021-2024，高水平大学建设(代编)-学科建设-校内人才科研配套，35 万(350 000 RMB)。

主讲课程/Courses

1. 研究生/For Postgraduates：智能优化理论及应用/Intelligence Optimization: Theory & Applications, (No.22010089)

2. 本科生/For Undergraduates:概率论与数理统计/Probability Theory and Mathematical Statistics, (B22000172)

学术活动与社会服务/Academic Activities

Memberships held	Chinese Association of Automation/中国自动化学会 Member.Feb 2024-Present # E14041102541M Institute of Electrical and Electronics Engineers/ IEEE Member·Apr 2021-Present #93021578
Reviewer for Journals	*Automatica, IEEE Transactions on Automatic Control, IEEE Transactions on Neural Networks and Learning Systems, IEEE Transactions on Systems, Man and Cybernetics: Systems, IEEE Transactions on Control of Network Systems, IEEE Transactions on Aerospace & Electronic Systems*, et al.