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吴治海

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吴治海，1982年11月生，安徽亳州人，博士，副教授，硕士生导师，至善青年学者

教育经历

- Ø 2001.09-2005.07, 安徽大学, 信息与计算科学专业, 理学学士
- Ø 2005.09-2007.06, 华中科技大学, 应用数学专业, 理学硕士
- Ø 2007.09-2011.03, 华中科技大学, 控制科学与工程专业, 工学博士

工作经历

- Ø 2011.03-2014.10, 江南大学, 物联网工程学院, 讲师
- Ø 2014.10-present, 江南大学, 物联网工程学院, 副教授

研究方向

- Ø 控制理论与控制工程——多智能体系统协同控制(Cooperative Control of Multi-Agent Systems)
- Ø 系统科学与系统工程——社会经济系统决策分析(Decision Analysis of Socioeconomic Systems)

主持课题

- Ø 国家自然科学基金青年项目——拜占庭故障下网络化多智能体系统的鲁棒一致性研究
- Ø 江苏省自然科学基金青年项目——基于复杂网络的食物安全舆情的演化机理与动力学仿真研究
- Ø 教育部人文社会科学基金青年项目——食品可追溯体系政府决策模型研究：基于多智能体系统一致性的理论方法

发表论文

- Ø Zhihai Wu and Huajing Fang. Improvement for consensus performance of multi-agent systems based on delayed-state-derivative feedback. Journal of Systems Engineering and Electronics, 2012, 23(1): 137-144 (SCI).
- Ø Zhihai Wu and Huajing Fang. Delayed-state-derivative feedback for improving consensus performance of second-order delayed multi-agent systems. International Journal of Systems Science, 2012, 43(1): 140-152 (SCI).
- Ø Huajing Fang, Zhihai Wu and Jia Wei. Improvement for consensus performance of multi-agent systems based on weighted average prediction, IEEE Transactions on Automatic Control, 2012, 57(1): 249-254 (SCI).
- Ø Zhihai Wu, Huajing Fang and Yingying She. Weighted average prediction for improving consensus performance of second-order delayed multi-agent systems. IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics, 2012, 42(5): 1501-1508 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Stochastic bounded consensus tracking of leader-follower multi-agent systems with measurement noises and sampled-data. Chinese Physics B, 2012, 21(12): 128902.1-128902.8 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Stochastic bounded consensus tracking of second-order multi-agent systems with measurement noises and sampled-data. Journal of Intelligent & Robotic Systems, 2012, 68(3-4): 261-273 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Stochastic bounded consensus tracking of leader-follower multi-agent systems with measurement noises based on sampled-data with small sampling delay. Physica A, 2013, 392(4): 918-928 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Stochastic bounded consensus tracking of leader-follower multi-agent systems with measurement noises based on sampled-data with general sampling delay. Chinese Physics B, 2013, 22(12): 128901.1-128901.8 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Stochastic bounded consensus tracking of second-order multi-agent systems with measurement noises based on sampled-data with small sampling delay. International Journal of Control, Automation, and Systems, 2014, 12(1): 44-56 (SCI).

Ø Na Wang, Zhihai Wu and Li Peng. Consensus of heterogeneous multi-agent systems based on sampled-data with small sampling delay. Chinese Physics B, 2014, 23(10): 108901.1-108901.9 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Stochastic bounded consensus tracking of second-order multi-agent systems with measurement noises based on sampled-data with general sampling delay. International Journal of Systems Science, 2015, 46(3): 546-561 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Asymptotic bounded consensus tracking of multi-agent systems with a bounded-acceleration target via sampled-data control. Journal of the Franklin Institute, 2015, 352(10): 4004-4016 (SCI).

Ø Zhihai Wu, Li Peng, Linbo Xie and Jiwei Wen. Asymptotic bounded consensus tracking of double-integrator multi-agent systems with a bounded-jerk target via sampled-data control. IET Control Theory & Applications, 2015, 9(12): 1909-1915 (SCI).

Ø Jie Cao, Zhihai Wu and Li Peng. Distributed event-triggered consensus tracking of second-order multi-agent systems with a virtual leader. Chinese Physics B, 2016, 25(5): 058902.1-058902.6 (SCI).

Ø Yue Quan, Wen Chen, Zhihai Wu and Li Peng. Observer-based distributed fault detection and isolation for heterogeneous discrete-time multi-agent systems with disturbances. IEEE Access, 2016, 4: 4652-4658 (SCI).

Ø Shuangshuang Wu, Zhihai Wu, Li Peng and Linbo Xie. Asymptotic bounded consensus tracking of double-integrator multi-agent systems with a bounded-jerk target based on sampled-data without velocity measurements. Chinese Physics B, 2017, 26(1): 018903.1-018903.6 (SCI).

Ø Yue Quan, Wen Chen, Zhihai Wu and Li Peng. Distributed fault detection for second-order delayed multi-agent systems with adversaries. IEEE Access, 2017, 5: 16478-16483 (SCI).

Ø Yue Quan, Wen Chen, Zhihai Wu and Li Peng. Distributed fault detection and isolation for leader-follower multi-agent systems with disturbances using observer techniques. Nonlinear Dynamics, 2018, 93(2): 863-871 (SCI).

科研获奖

Ø 基于人工心理的情感虚拟人系统——获2012年中国商业联合会科技进步奖一等奖，排名第5

Ø 基于视觉物联网的车载智能系统——获2015年中国商业联合会科技进步奖二等奖，排名第2

Ø 冷链物联网关键技术研发与应用——获2017年中国轻工联合会科技进步奖一等奖，排名第2

学术服务

Ø 中国自动化学会青年工作委员会委员.

Ø 国际学术期刊审稿人：Asian Journal of Control;Automatica; IEEE Transactions on Automatic Control; IEEE Transactions on Cybernetics; IEEE Transactions on Industrial Informatics; IET Control Theory & Applications; International Journal of Control; International Journal of Control, Automation, and Systems; International Journal of Robust and Nonlinear Control; International Journal of Systems Science; Journal of the Franklin Institute; Neurocomputing.

Ø 国际学术会议审稿人：American Control Conference; IEEE Conference on Decision and Control; IEEE International Conference on Control & Automation; IEEE Multi-Conference on Systems and Control.

硕士招生

Ø 招生专业：控制科学与工程（学硕）\控制工程（专硕）

Ø 招生要求：扎实的数学基础，良好的英语读写能力，一定的计算机仿真技能

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