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### 主要学历及工作经历：

1997, 9--2001, 7 渤海大学数学系 基础数学专业 学士

2001, 9--2004, 3 渤海大学数学系 基础数学专业 硕士

2004, 3--2007, 3 东北大学信息科学与工程学院 控制理论与控制工程专业 博士

2007, 3--2008, 12 英国格拉摩根 (Glamorgan) 大学 高级技术学院 **Research Fellow**

2008, 3--2010, 5 大连理工大学电信学部 控制科学与工程流动站 博士后

2010, 6--至今 大连理工大学航空航天学院 副教授

2012. 7--至今 大连理工大学 博士生导师

## 研究方向和研究领域:

切换系统; 鲁棒控制; 飞行器姿态控制; 网络控制

## 获奖情况:

获得国际SCI期刊IJICIC 2009年度最高引用论文奖

获得2010年国际控制领域著名期刊IEEE Transaction on Automatic Control“杰出审稿人”(Outstanding Reviewer)荣誉称号

2012年获得辽宁省科学技术奖(自然科学类)二等奖

## 主持的基金项目:

国家自然科学基金项目青年基金项目, “基于切换方法的网络预测控制的研究”, 项目批准号: 61004020.

中国博士后科学资金特别资助项目(特级), “基于混杂系统方法对网络预测控制的分析和综合”, 项目批准号: 200902539.

辽宁省“博士后集聚工程”资助项目, “基于混杂系统的网络控制在地铁乘客信息系统中的应用”, 项目批准号: 2011921007.

## 学术兼职

IEEE会员

在国际会议The International Conference on Impulsive Dynamical Systems and Applications, Qingdao, China, 2006 上担任分会主席。

2011年在国际会议International Conference on Intelligent Control and Information Processing上担任程序委员会委员。

2012年在国际会议International Conference on System Science and Engineering上担任Special Sessions副主席。

担任多个著名国际期刊和国际会议的审稿人, 包括: IEEE Transaction on Automatic Control, IEEE Transactions on Systems, Man, and Cybernetics, Part B, IEEE Trans. Control System Technology, International Journal of Robust and Nonlinear Control, International Journal of Innovative Computing, American Control Conference, IEEE Conference on Decision and Control, IFAC World Congress.

## 近几年发表的第一作者论文

以第一作者在国内核心期刊以及国内外重大会议上共发表论文30篇, 其中被SCI检索15篇, EI检索23篇, 被SCI期刊他引总次数120余次。

## 国际期刊

1. Rui Wang, Guo-Ping Liu, Wei Wang, David Rees, Yunbo Zhao. Control for networked predictive control systems based on switched Lyapunov function method, *IEEE Trans. Industrial Electronics*, 57(10): 3565-3571, 2010. (SCI检索)
2. Rui Wang, Guo-Ping Liu, Wei Wang, David Rees, Yunbo Zhao. Guaranteed cost control for networked control systems based on an improved predictive control method, *IEEE Trans. Control System Technology*, 18(5): 1226-1232, 2010. (SCI检索)
3. Rui Wang, Bo Wang, Guo-Ping Liu, Wei Wang and David Rees. Controller Design for networked predictive control systems based on the Average Dwell-Time Approach. *IEEE Trans. Circuits and Systems-II: Express Briefs*, 57(4): 310-314, 2010. (SCI检索)
4. Rui Wang, Gang Wu, Peng Shi, Dynamic output feedback control for a class of switched delay systems under asynchronous switching, *Information Sciences*, 225(10): 72-80, 2013. (SCI检索源)
5. Rui Wang, Jun Zhao. Exponential stability analysis for discrete-time switched linear systems with time-delay, *International Journal of Innovative Computing, Information and Control*, 3(6B): 1557-1564, 2007. (SCI检索)
6. Rui Wang, Guo-Ping Liu, Bo Wang, Wei Wang, David Rees. L2-gain analysis for networked predictive control systems based on switching method, *International Journal of Control*. 82(6):1148-1156, 2009. (SCI检索)
7. Rui Wang, Georgi M. Dimirovski, Jun Zhao, Guo-Ping Liu. Output feedback control for uncertain linear systems with faulty actuators based on a switching method, *International Journal of Robust and Nonlinear Control*, 19(12): 1295-1312, 2009. (SCI检索)
8. Rui Wang, Gang Jin and Jun Zhao. Robust fault-tolerant control for a class of switched nonlinear systems in lower triangular form. *Asian Journal of Control*, 9(1): 68-72, 2007. (SCI检索)
9. Rui Wang, Georgi M. Dimirovski, Jun Zhao. Switching based robust exponential stabilization of linear delay systems with faulty actuators. *European Journal of Control*, 15(1): 45-55, 2009. (SCI检索)
10. Rui Wang, Man Liu, Jun Zhao. Reliable control for a class of switched nonlinear systems with actuator failures, *Nonlinear Analysis: Hybrid Systems and Applications*, 1(3): 317-325, 2007.
11. Rui Wang, Jun Zhao. Reliable guaranteed cost control for uncertain switched nonlinear systems, *International Journal of Systems Science*, 40(3): 205-211, 2009. (SCI检索)
12. Rui Wang, Jun Zhao. Guaranteed cost control for a class of uncertain switched delay systems: an average dwell-time method, *Cybernetics and Systems*, 38(1): 105-122, 2007. (SCI检索)
13. Rui Wang, Jun Zhao. Guaranteed cost control for a class of uncertain delay systems with actuator failures based on switching method, *International Journal of Control, Automation, and Systems*, 5(5): 492-500, 2007. (SCI检索)
14. Rui Wang, Jianchang Liu, Jun Zhao. Reliable control for a class of switched nonlinear systems in lower triangular form: an average dwell-time method, *Dynamics of Continuous Discrete and Impulsive Systems-Series A-*

- Mathematical Analysis*, 13: 158-162, Part 1, 2006. (SCI检索)
15. Rui Wang, Jun Zhao. Robust reliable control for a class of uncertain switched linear systems with time-delay, *Dynamics of Continuous Discrete and Impulsive Systems-Series A-Mathematical Analysis*, 13: 179-184, Part 1, 2006. (SCI检索)
  16. Rui Wang, Jun Zhao. Reliable guaranteed cost robust control for a class of uncertain switched linear systems, *Systems Science*, 31(4): 21-31, 2005. (EI检索)

#### 国际会议

17. Rui Wang, Georgi M. Dimirovski, Jun Zhao. Output feedback control for uncertain linear systems with faulty actuators: an average dwell-time method. *In Proceedings of American Control Conference*, in Minneapolis, Minnesota, pp. 5487-5492, 2006. (EI检索)
18. Rui Wang, Jun Zhao, Georgi M. Dimirovski. Reliable control for a class of switched nonlinear systems. *The 16th IFAC World Congress*, 2005, July.
19. Rui Wang, Georgi M. Dimirovski, Jun Zhao. Switching based robust exponential stabilization of linear delay systems with faulty actuators. *In Proceedings of the 9th European Control Conference*, in Kos, Greece, pp. 673-679, 2007.
20. Rui Wang, Man Liu, Jun Zhao, Wei Wang. Robust adaptive control for a class of uncertain switched delay systems with actuator failures. *3rd International Conference on Innovative Computing Information and Control*, 2008. (EI检索)

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