



摄影：李江川

苏友峰

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个人简介

苏友峰, 男, 1982年出生, 博士, 教授, 博士生导师. 2005年与2008年分别获华东师范大学数学系学士与硕士学位. 2012年获香港中文大学机械与自动化工程学系博士学位. 2012年5月至2013年6月于香港中文大学机械与自动化工程学系从事博士后研究工作. 2013年6月起任职于福州大学数学与计算机科学学院. 研究方向包括: 输出调节, 非线性控制, 多自主系统协同控制, 鲁棒与自适应控制, 切换系统稳定性分析.

苏友峰博士于2013年获香港中文大学青年学者优秀博士论文奖 (Young Scholars Thesis Award). 2016年获福建省自然科学基金杰出青年项目资助. 截至目前, 苏友峰博士已在国内外学术期刊与会议上已发表 (含录用) 论文四十余篇, 其中发表在系统控制领域两大国际公认权威期刊IEEE Transactions on Automatic Control与Automatica上共有13篇. 苏友峰博士目前担任国内核心期刊《系统科学与数学》编委.

科研项目

1. 基于非精确测量变量反馈的非线性输出调节研究, 国家自然科学基金面上项目, 项目金额: 63万, 项目编号: 61773122, 2018.01--2021.12, 主持.
2. 非线性协作式鲁棒输出调节理论与应用, 福建省自然科学基金杰出青年项目, 项目金额: 25万, 项目编号: 2016J06014, 2016.04--2019.04, 主持.
3. 非线性多自主系统协作式鲁棒输出调节问题研究, 国家自然科学基金青年项目, 项目金额: 25万, 项目编号: 61403082, 2015.01--2017.12, 主持.
4. 一类具有未知控制方向的二阶非线性多自主系统协作式输出调节问题研究, 福州大学科技发展基金项目, 项目金额: 2.5万, 项目编号: 2014-XQ-25, 2014.06--2016.08, 主持.
5. 非线性协作式鲁棒输出调节若干问题研究, 福州大学科研启动项目, 项目金额: 7万, 项目编号: XRC-1342, 2013.09--2015.08, 主持.
6. 协作式输出调节问题及其应用, 国家自然科学基金面上项目, 项目金额: 60万, 项目编号: 61174049, 2012.01--2015.12, 排名第二.
7. 模糊矩阵系统和不定最小二乘问题的研究, 中国博士后科学基金资助项目, 项目金额: 3.5万, 项目编号: 20060400634, 2007.01--2008.12, 排名第四.

部分期刊论文

1. J. Wang, A. Sheng, D. Xu*, Z. Chen, and Y. Su, "Event-based practical output regulation for a class of multi-agent nonlinear systems," *IEEE Transactions on Cybernetics*, conditionally accepted.
2. Y. Su*, "Semi-global output feedback cooperative control for nonlinear multi-agent systems via internal model approach," *Automatica*, provisionally accepted.
3. X. Wang, Y. Su, and D. Xu*, "Cooperative robust output regulation of linear uncertain multiple multivariable systems with performance constraints," *Automatica*, vol. 95, pp. 137-145, Sep. 2018.

基本信息

职称

教授

职务

博士生导师

主讲课程

控制论基础、现代控制理论与应用、非线性控制系统、运筹与优化、矩阵分析与应用

研究方向

非线性控制、多自主系统协同控制

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4. Y. Zhang and Y. Su*, "Cooperative output regulation for linear uncertain MIMO multi-agent systems by output feedback," *Science in China Series F - Information Sciences*, vol. 61, no. 9, Article ID: 092206, pp. 1--14, Sep. 2018.
5. X. Wang, Y. Su, and D. Xu*, "A nonlinear internal model design for heterogeneous second-order multi-agent systems with unknown leader," *Automatica*, vol. 97, pp. 27--35, May 2018.
6. Y. Dong, Y. Su*, Y. Liu, and S. Xu, "An internal model approach for multi-agent rendezvous and connectivity preservation with nonlinear dynamics," *Automatica*, vol. 89, pp. 300--307, Mar. 2018.
7. Y. Su*, "Cooperative semi-global output regulation of nonlinear strict-feedback multi-agent systems with nonidentical relative degrees," *IEEE Transactions on Cybernetics*, vol. 47, no. 3, pp. 709--719, Mar. 2017. (Regular paper)
8. Y. Su*, "Output feedback cooperative control for linear uncertain multi-agent systems with nonidentical relative degrees," *IEEE Transactions on Automatic Control*, vol. 61, no. 12, pp. 4027--4033, Dec. 2016.
9. Y. Su*, "Cooperative global output regulation of second-order nonlinear multi-agent systems with unknown control direction," *IEEE Transactions on Automatic Control*, vol. 60, no. 12, pp. 3275--3280, Dec. 2015.
10. Y. Su and J. Huang*, "Cooperative global output regulation for nonlinear uncertain multi-agent systems in lower triangular form," *IEEE Transactions on Automatic Control*, vol. 60, no. 9, pp. 2378--2389, Sep. 2015. (Regular paper).
11. Y. Su*, "Leader-following rendezvous with connectivity preservation and disturbance rejection via internal model approach," *Automatica*, vol. 57, pp. 203--212, Jul. 2015.
12. Y. Su* and J. Huang, "Cooperative global output regulation for nonlinear uncertain multi-agent systems with iISS inverse dynamics," *Asian Journal of Control*, vol. 17, no. 1, pp. 14--22, Jan. 2015.
13. Y. Su and J. Huang*, "Cooperative robust output regulation of a class of heterogeneous linear uncertain multi-agent systems," *International Journal of Robust and Nonlinear Control*, vol. 24, no. 17, pp. 2819--2839, Nov. 2014.
14. Y. Su and J. Huang*, "Cooperative semi-global robust output regulation for a class of nonlinear uncertain multi-agent systems," *Automatica*, vol. 50, no. 4, pp. 1053--1065, Apr. 2014. (Regular paper).
15. Y. Su and J. Huang*, "Cooperative global output regulation of heterogeneous second-order nonlinear uncertain multi-agent systems," *Automatica*, vol. 49, no. 11, pp. 3345--3350, Nov. 2013.
16. Y. Su and J. Huang*, "Cooperative global output regulation for a class of nonlinear uncertain multi-agent systems with unknown leader," *Systems & Control Letters*, vol. 62, no. 6, pp. 461--467, Jun. 2013.
17. Y. Su, Y. Hong, and J. Huang*, "A general result on the robust cooperative output regulation for linear uncertain multi-agent systems," *IEEE Transactions on Automatic Control*, vol. 58, no. 5, pp. 1275--1279, May 2013.
18. Y. Su and J. Huang*, "Cooperative output regulation of linear multi-agent systems by output feedback," *Systems & Control Letters*, vol. 61, no. 12, pp. 1248--1253, Dec. 2012.
19. Y. Su and J. Huang*, "Two consensus problems for discrete-time multi-agent systems with switching network topology," *Automatica*, vol. 48, no. 9, pp. 1988--1997, Sep. 2012. (Regular paper)
20. Y. Su and J. Huang*, "Stability of a class of linear switching systems with applications to two consensus problems," *IEEE Transactions on Automatic Control*, vol. 57, no. 6, pp. 1420--1430, Jun. 2012. (Regular paper)
21. Y. Su* and J. Huang, "Cooperative output regulation with application to multi-agent consensus under switching network," *IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics*, vol. 42, no. 3, pp. 864--875, Jun. 2012. (Regular paper)
22. Y. Su and J. Huang*, "Cooperative output regulation of linear multi-agent systems," *IEEE Transactions on Automatic Control*, vol. 57, no. 4, pp. 1062--1066, Apr. 2012.
23. Y. Su and G. Chen*, "Iterative methods for solving linear matrix equation and linear matrix system," *International Journal of Computer Mathematics*, vol. 87, no. 4, pp. 763--774, 2010.
24. X. Sheng*, Y. Su and G. Chen, "A modification of minimal residual iterative method to solve linear systems," *Mathematical Problems in Engineering*, vol. 2009, Article ID: 794589, pp. 1--9, 2009.



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