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Curriculum Vitae Tuesday 28th January, 2020

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専門分野

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学歴

2014年8月 テキサス工科大学 Ph.D. (Mathematics)

 2009年3月
 京都大学 修士(情報学)

 2007年3月
 京都大学 学士(工学)

職歴

2019年11月- 大阪大学 准教授

奈良先端科学技術大学院大学 助教

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ペンシルバニア大学 電気システム工学科 博士研究員

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短期滞在

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2019年 ルーヴァン・カトリック大学 (ベルギー)

代表的な受賞

2019年2月 IEEE Transactions on Network Science and Engineering 準最優秀論文賞

2018年3月 計測自動制御学会 制御部門 制御部門大会賞 2018年1月 計測自動制御学会 関西支部 支部長賞 奨励賞

2014年4月 テキサス工科大学 Summer Dissertation/Thesis Research Award

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2012年6月 計測自動制御学会 論文賞

研究助成

- 国立情報学研究所 自由提案公募型共同研究 2019年度
- 国立情報学研究所 自由提案公募型共同研究 2018年度
- 科学研究費 若手研究 2018年度~2020年度 ネットワークにおける伝播の解析と制御:モチーフを活用した多項式時間アルゴリズム
- 科学研究費 基盤研究B 2018年度~2021年度 計測や通信の品質が保証されない環境下での事象トリガ調整型2自由度制御系(代表者 杉本謙二)

研究業績

著書

[1] 永原正章, 岡野訓尚, 小蔵正輝, and 若生将史, ネットワーク化制御. コロナ社, 2019.

著書(book chapter)

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- [3] M. Ogura and C. F. Martin, "Linear Switching Systems and Random Products of Matrices," in *Mathematical System Theory Festschrift in Honor of Uwe Helmke on the Occasion of his Sixtieth Birthday*, K. H{\"u}per and J. Trumpf, Eds. CreateSpace, 2013, pp. 291–300.

招待講演等

- [1] "幾何計画法による送信電力制御," 2019年度次世代ワイヤレス技術講座(発表予定), 2020.
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- [3] "Optimization of positive linear systems via geometric programming," *Guandong University of Technology*, 2019.
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- [5] "ネットワークにおける最適資源配置," ネットワーク科学セミナー2019, 2019.
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- [9] "Networked epidemic spreading: modeling, analysis, and control," *National Institutite of Informatics*, 2018.
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解説・総説

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- [9] W. Mei and M. Ogura, "Instability analysis of Markov jump linear systems by spectral optimization," in *SICE Annual Conference 2018*, 2018, pp. 419–422.
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学会発表

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教育経験

奈良先端科学技術大学院大学

- 情報科学特別講義 (2018)
- 知能システム制御特論 (2017, 2018)

ペンシルバニア大学

• Convex Optimization in Systems and Control (Co-lecturer, Fall 2015)

テキサス工科大学

- 講師
 - Calculus II (Summer 2014, Spring 2014, Spring 2013)
 - Calculus I (Summer 2013, Fall 2012)
 - Trigonometry (Fall 2011)
 - College Algebra (Fall 2013, Spring 2012)
- ティーチングアシスタント
 - Advanced Calculus (Summer 2012)
 - Linear Algebra (Summer 2012)
 - Higher Mathematics for Engineers and Scientists I (Summer 2011)

京都コンピュータ学院

- 制御工学 (2009, 2009)
- 電気回路 (2008)
- データ構造 (2008)
- 数值解析 (2009, 2010)

京都大学(ティーチング・アシスタント)

- 自然現象と数学 (2009)
- 現代制御論 (2008, 2009)

学会活動

- 2020年~: Associate Editor, Journal of The Franklin Institute
- 2019年度~:計測自動制御学会 関西支部 庶務幹事
- 2019年~:計測自動制御学会 制御部門 真なるダイナミクスの追求による次世代システム制御理 論調査研究委員会,委員
- 2018年度~:電子情報通信学会 高信頼制御通信研究会(RCC), 幹事補佐
- 2018年~:計測自動制御学会 制御部門 IoT時代に向けたイベントベースト制御調査研究会,委員
- 2018年: Local Arrangements Vice Chair, SICE Annual Conference 2018
- 2017年 \sim : International Federation of Automatic Control, Technical Committee 1.5. Networked Systems, Member
- 2015年: 5th IFAC Workshop on Distributed Estimation and Control in Networked Systems, Associate Editor