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Curriculum Vitae Saturday 26th September, 2020

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専門分野

ネットワーク科学,制御工学,最適化,確率過程,設計工学

学歴

- テキサス工科大学 Ph.D. (Mathematics), 2014年
- 京都大学修士(情報学), 2009年
- 京都大学 学士 (工学), 2007年

職歴

- 大阪大学 准教授, 2019年11月-
- 奈良先端科学技術大学院大学 助教, 2017年3月 2019年10月
- ペンシルバニア大学 電気システム工学科 博士研究員, 2014年10月 2017年2月

短期滞在

- Department of Mechanical Engineering, University of Hong Kong. 2018年, 2019年
- ICTEAM Institute, Université catholique de Louvain, Belgium. 2013年

代表的な受賞

- Runner-up of the 2019 Best Paper Award, IEEE Transactions on Network Science and Engineering. 2019年
- 計測自動制御学会 関西支部 支部長賞 奨励賞. 2018年
- 計測自動制御学会 制御部門 制御部門大会賞. 2018年
- Summer Dissertation/Thesis Research Award, Texas Tech University. 2014年
- Cash Family Endowed Fellowship, Texas Tech University. 2013年
- 計測自動制御学会 論文賞. 2012年

研究助成

- 公益財団法人電気通信普及財団 研究調査助成 深層学習を用いた超高精度な行列因子分解 2020年度
- 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

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招待講演等

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解説・総説

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- [3] T. Kimura and M. Ogura, "Distributed collaborative 3D-deployment of UAV base stations for on-demand coverage," in *IEEE INFOCOM 2020*, 2020, pp. 1748–1757. Acceptance rate **19.8 percent**.
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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 \sim : Program Committee member, International Conference on Complex Networks and their Applications
- 2020年 \sim : 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