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Curriculum Vitae Tuesday 29<sup>th</sup> October, 2019

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#### 学歴

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### 職歴

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- 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

- [1] "Synthesis of positive linear systems by geometric programming," University of Hong Kong, 2019.
- [2] "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.
- [3] "複雑ネットワークの最適設計:なぜ私がネットワーク科学と制御工学のはざまにいるのか," 足立 研セミナー, 2019.
- [4] "幾何計画法の制御応用," 電子情報通信学会信号処理研究会, 2019.
- [5] "Networked epidemic spreading: modeling, analysis, and control," *National Institutite of Informatics*, 2018.
- [6] "ネットワークにおける確率的伝播モデルの解析と制御," 日本オペレーションズ・リサーチ学会 第279回待ち行列研究部会, 2018.
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- [8] "Network epidemiology and control theory," University of Hong Kong, 2018.
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- [10] "じゃんけんでまなぶ複雑ネットワーク," 生駒市立中学校出前授業, 2017.
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- [15] "Dynamical systems over time-varying networks," Workshop on Recent Advances in Systems and Control, Kyoto University, 2015.
- [16] "Dynamical systems over time-varying networks," Tokyo Institute of Technology, 2015.
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### 解說 · 総説

- [1] 小蔵正輝, "フェイルセーフな海外研究生活," システム/制御/情報, vol. 11, pp. 449-454, 2018.
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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

- 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

ullet 2015 ullet : 5th IFAC Workshop on Distributed Estimation and Control in Networked Systems, Associate