

業績リスト

Research Achievement

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学術論文等 Publication

国際論文誌 International Journal

1. Takuya Ikeda, Masaaki Nagahara, **Kenji Kashima**,
“Maximum hands-off distributed control for consensus of multi-agent systems with sampled-data state observation,”
IEEE Transactions on Control of Network Systems, Vol. **6**, Issue 2, pp. 852/862, 2019
DOI: 10.1109/TCNS.2018.2880296
2. Takuya Ikeda, **Kenji Kashima**,
“On sparse optimal control for general linear systems,”
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DOI: 10.1109/TAC.2018.2842145
3. **Kenji Kashima**, Hiroki Aoyama, Yoshito Ohta,
“Stable process approach to analysis of systems under heavy-tailed noise: Modeling and stochastic linearization,”
IEEE Transactions on Automatic Control, Vol. **64**, Issue 4, pp. 1344/1357, 2019
DOI: 10.1109/TAC.2018.2842145
4. Takuya Ikeda, **Kenji Kashima**,
“Sparsity-constrained controllability maximization with application to time-varying control node selection,”
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5. Naomi Kuze, Daichi Kominami, **Kenji Kashima**, Tomoaki Hashimoto, Masayuki Murata,
 “Self-organizing control mechanism based on collective decision-making for information uncertainty,”
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 DOI: 10.1145/3183340
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 “Hierarchical optimal control method for controlling large-scale self-organizing networks,”
ACM Transactions on Autonomous and Adaptive Systems, vol. **12**, Issue 4, Article No. 22, 2017
 DOI: 10.1145/3124644
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8. Yuta Okumura, **Kenji Kashima**, Yoshito Ohta,
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9. **Kenji Kashima**,
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10. Naomi Kuze, Daichi Kominami, **Kenji Kashima**, Tomoaki Hashimoto, Masayuki Murata,
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 DOI: 10.1145/2856424
11. Jun Tsukamoto, Daisuke Iwai, **Kenji Kashima**,
 “Radiometric compensation for cooperative distributed multi-projection system through 2-DOF distributed control,”
IEEE Transactions on Visualization and Computer Graphics, Vol. **21**, Issue 11, pp. 1221/1229, 2015
 DOI: 10.1109/TVCG.2015.2459905
12. Takayuki Ishizaki, **Kenji Kashima**, Antoine Girard, Jun-ichi Imura, Luonan Chen, Kazuyuki Aihara,
 “Clustered model reduction of positive directed networks,”
Automatica, Vol. **59**, Issue September, pp. 238/247, 2015
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13. **Kenji Kashima**, Toshiyuki Ogawa, Tatsunari Sakurai,
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14. Takayuki Ishizaki, Henrik Sandberg, **Kenji Kashima**, Jun-ichi Imura, Kazuyuki Aihara,
 “Dissipativity-preserving model reduction for large-scale distributed control systems,”
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15. Masaki Inoue, Jun-ichi Imura, **Kenji Kashima**, Masayasu Suzuki, Kazuyuki Aihara,
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 17. Takayuki Ishizaki, **Kenji Kashima**, Jun-ichi Imura, Kazuyuki Aihara,
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 18. Takayuki Ishizaki, **Kenji Kashima**, Jun-ichi Imura, Atsushi Kato, Hiroshi Morita, Kazuyuki Aihara,
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 of a positive feedback mechanism,”
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38. **Kenji Kashima**, Hitay Özbay, Yutaka Yamamoto,
 “A Hamiltonian-based solution to the mixed sensitivity optimization problem for stable pseudorotational plants,”
Systems and Control Letters, Vol. **54**, Issue 11, pp. 1063/1068, 2005
 DOI: 10.1016/j.sysconle.2005.03.002
39. **Kenji Kashima**, Yutaka Yamamoto,
 “A new characterization of invariant subspace of H^2 and applications to the optimal sensitivity problem,”
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1. 伊藤 海斗, 林 輝, 加嶋 健司, 加藤 政一,
 “風力発電連係による擾乱のべき乗則の検証と確率システム解析,”
 計測自動制御学会論文誌, Vol. **54**, Issue 12, pp. 878/885, 2018
 DOI: 10.9746/sicetr.54.878
2. 南 裕樹, 加嶋 健司,
 “システムの直列分解に基づく動的量子化器設計,”
 計測自動制御学会論文誌, Vol. **52**, Issue 1, pp. 46/51, 2016
 DOI: 10.9746/sicetr.52.46
3. 塚本 潤, 岩井 大輔, 加嶋 健司,
 “分散最適化にもとづく協調型映像投影システムによる投影色補正,”
 日本バーチャルリアリティ学会論文誌, Vol. **20**, Issue 2, pp. 143/150, 2015
4. **2016 年度 計測自動制御学会 論文賞 武田賞**
 梅津 佑介, 小川 知之, 加嶋 健司,
 “反応拡散系における不安定定在波の選択的安定化,”
 計測自動制御学会論文誌, Vol. **51**, Issue 2, pp. 110/119, 2015
 DOI: 10.9746/sicetr.51.110
5. 加嶋 健司, 井上 大輔,
 “ネットワーク化制御系における確率雑音の白色化効果と非再現性の同時活用,”
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井上 正樹, 新井 貴行, 井村 順一, 加嶋 健司, 合原 一幸,
“動的不確かさを含むシステムのロバスト分岐解析—平衡点の安定性変化による局所分岐の場合—,”
システム制御情報学会論文誌, Vol. **26**, Issue 7, pp. 225/231, 2013
8. **2014 年度 システム制御情報学会 学会賞 産業技術賞**
定本 知徳, 加嶋 健司, 森田 洋, 水野 博之,
“射出成形機むけ加熱シリンダの非線形モデリングと低次元化,”
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DOI: 10.5687/iscie.26.174
9. **2015 年度 計測自動制御学会 論文賞**
井上 正樹, 鈴木 雅康, 加嶋 健司, 井村 順一, 合原 一幸,
“ルーリエ系の絶対不安定条件,”
計測自動制御学会論文誌, Vol. **49**, Issue 3, pp. 401/407, 2013
10. 石崎 孝幸, 加嶋 健司, 井村 順一, 合原 一幸,
“クラスタ可制御性に基づく動的ネットワークの低次元化,”
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“単入出力動的ネットワークシステムにおける一次元反応拡散構造の抽出,”
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14. 石崎 孝幸, 加嶋 健司, 井村 順一,
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“鋼材加熱炉の装入スケジューリングと燃焼制御の同時最適化,”
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16. **2010 年度 計測自動制御学会 論文賞**
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“電磁型締め装置の分布定数モデリングと制御,”
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“状態空間表現にもとづく H^2 性能限界の解析表現 –非最小位相特性による最適制御性能の劣化について–,”
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査読付き国際会議 Refereed International Conference

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“Maximum hands-off distributed bearing-based formation control,”
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DOI: xxx
2. Shuto Yamada, Kentaro Ohki, **Kenji Kashima**,
“An event-based quantum error correction via measurement-based feedback control,”
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3. Takuya Ikeda, **Kenji Kashima**,
“Sparse optimal feedback control for continuous-time systems,”
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4. Takuya Ikeda, **Kenji Kashima**,
“Sparsity-constrained controllability maximization with application to time-varying control node selection,”
56th IEEE Conf. Decision and Control (CDC), pp. xxx/xxx, 2018
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6. Yuta Ohama, **Kenji Kashima**,
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7. Kazuhiro Shimizu, Hayato Nakada, **Kenji Kashima**,
“Feature extraction of internal dynamics of an engine air path system: Deep autoencoder approach,”
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8. Kazuhiro Shimizu, Hayato Nakada, **Kenji Kashima**,
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9. Kentaro Ohki, Hideharu Sugihara, **Kenji Kashima**, Yoshito Ohta,
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10. Yuji Nagasawa, **Kenji Kashima**,
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11. Takuya Ikeda, **Kenji Kashima**,
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13. Takuya Ikeda, Masaaki Nagahara, **Kenji Kashima**,
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14. Jun Tsukamoto, Daisuke Iwai, **Kenji Kashima**,
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15. Yuya Tomisawa, Kentaro Ohki, Hideharu Sugihara, **Kenji Kashima**, Yoshito Ohta,
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16. Yuki Minami, **Kenji Kashima**,
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17. **Kenji Kashima**,
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18. Yuya Tomisawa, Kentaro Ohki, Hideharu Sugihara, **Kenji Kashima**, Yoshito Ohta,
 “Power generation scheduling with transmission line thermal constraints: A case study,”
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19. **Kenji Kashima**, Hiroki Aoyama, Yoshito Ohta,
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20. Yuta Okumura, **Kenji Kashima**, Yoshito Ohta,
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21. Naomi Kuze, Daichi Kominami, **Kenji Kashima**, Tomoaki Hashimoto, Masayuki Murata,
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22. Jun Tsukamoto, Daisuke Iwai, **Kenji Kashima**,
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“Delayed feedback selective pattern formation in reaction-diffusion systems,”
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“On stochastic linearization of feedback systems driven by stable processes,”
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26. Takayuki Yoshida, Masakazu Kato, **Kenji Kashima**,
“Probabilistic evaluation method of interconnectable capacity for wind power generation using actual data,”
International Conference on Renewable Energy and Power Quality Journal (ICREPQ'15), pp. xxx/xxx, 2015
27. Masaki Inoue, Jun-ichi Imura, Takayuki Arai, **Kenji Kashima**, Kazuyuki Aihara,
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29. Yosuke Kotani, Hitoshi Yamao, Masatomo Kishi, **Kenji Kashima**,
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