

IEEE TRANSACTIONS ON AUTOMATIC CONTROL

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



APRIL 2016

VOLUME 61

NUMBER 4

IETAA9

(ISSN 0018-9286)

| | |
|----------------------------------|-----|
| List of Reviewers for 2015 | 849 |
| Scanning the Issue | 859 |

REGULAR PAPERS

| | | |
|---|---|------|
| Extensions of Fast-Lipschitz Optimization | <i>M. Jakobsson, S. Magnússon, C. Fischione, and P. C. Weeraddana</i> | 861 |
| Transient Performance Analysis of Serial Production Lines With Geometric Machines | <i>G. Chen, C. Wang, L. Zhang, J. Arinez, and G. Xiao</i> | 877 |
| Explicit Convergence Rate of a Distributed Alternating Direction Method of Multipliers | <i>F. Iutzeler, P. Bianchi, P. Ciblat, and W. Hachem</i> | 892 |
| Observers are Unnecessary for Output-Feedback Control of Lagrangian Systems | <i>A. Loria</i> | 905 |
| System Identification for Passive Linear Quantum Systems | <i>M. Guča and N. Yamamoto</i> | 921 |
| Identification of Dynamic Models in Complex Networks With Prediction Error Methods: Predictor Input Selection | <i>A. Dankers, P. M. J. Van den Hof, X. Bombois, and P. S. C. Heuberger</i> | 937 |
| Asynchronous Gossip-Based Random Projection Algorithms Over Networks | <i>S. Lee and A. Nedić</i> | 953 |
| On the Factorization of Rational Discrete-Time Spectral Densities | <i>G. Baggio and A. Ferrante</i> | 969 |
| Verification of Hybrid Automata Diagnosability With Measurement Uncertainty | <i>Y. Deng, A. D'Innocenzo, M. D. Di Benedetto, S. Di Gennaro, and A. A. Julius</i> | 982 |
| Newton-Raphson Consensus for Distributed Convex Optimization | <i>D. Varagnolo, F. Zanella, A. Cenedese, G. Pillonetto, and L. Schenato</i> | 994 |
| Uncertain Price Competition in a Duopoly With Heterogeneous Availability | <i>M. H. Lotfi and S. Sarkar</i> | 1010 |
| Nonlinear Model Predictive Control for Constrained Output Path Following | <i>T. Faulwasser and R. Findeisen</i> | 1026 |

TECHNICAL NOTES AND CORRESPONDENCE

| | | |
|---|--|------|
| Information Centrality and Ordering of Nodes for Accuracy in Noisy Decision-Making Networks | <i>I. Poulakakis, G. F. Young, L. Scardovi, and N. E. Leonard</i> | 1040 |
| A $c\mu$ Rule for Two-Tiered Parallel Servers | <i>S. Saghafian and M. H. Veatch</i> | 1046 |
| Shaping the Energy of Mechanical Systems Without Solving Partial Differential Equations | <i>A. Donaire, R. Mehra, R. Ortega, S. Satpute, J. G. Romero, F. Kazi, and N. M. Singh</i> | 1051 |
| Lyapunov-Based Sufficient Conditions for Stability of Hybrid Systems With Memory | <i>J. Liu and A. R. Teel</i> | 1057 |
| Robust Monotonic Convergent Iterative Learning Control | <i>T. D. Son, G. Pipeleers, and J. Swevers</i> | 1063 |
| Finite-Time Stabilization and Optimal Feedback Control | <i>W. M. Haddad and A. L'Afflitto</i> | 1069 |
| Stabilization of Nonlinear Systems via Potential-Based Realization | <i>M. Guay and N. Hudon</i> | 1075 |
| Stability Analysis via Averaging Functions | <i>A. Y. Pogromsky and A. S. Matveev</i> | 1081 |
| Nonlinear Scaling of (i)ISS-Lyapunov Functions | <i>C. M. Kellett and F. R. Wirth</i> | 1087 |
| Asymptotic Agreement in a Class of Networked Kalman Filters With Intermittent Stochastic Communications | <i>D. Spinello</i> | 1093 |
| Approximate Reduction of Heterogenous Nonlinear Models With Differential Hulls | <i>M. Tschaikowski and M. Tribastone</i> | 1099 |

(Contents Continued on Back Cover)

(Contents Continued from Front Cover)

| | | |
|---|---|------|
| Distributed Source Localization of Multi-Agent Systems With Bearing Angle Measurements | C. Lin, Z. Lin, R. Zheng, G. Yan, and G. Mao | 1105 |
| A Quadratic Programming Algorithm Based on Nonnegative Least Squares With Applications to Embedded Model Predictive Control | A. Bemporad | 1111 |
| Controllability of Linear Systems With Switching Delays | R. M. Jungers, A. D'Innocenzo, and M. D. Di Benedetto | 1117 |
| MPC for Tracking Periodic References | D. Limon, M. Pereira, D. Muñoz de la Peña, T. Alamo, C. N. Jones, and M. N. Zeilinger | 1123 |
| Controllability and Observability of an n -Link Planar Robot with a Single Actuator Having Different Actuator–Sensor Configurations | Y. Liu and X. Xin | 1129 |
| Containment of Higher-Order Multi-Leader Multi-Agent Systems: A Dynamic Output Approach | G. Wen, Y. Zhao, Z. Duan, W. Yu, and G. Chen | 1135 |
