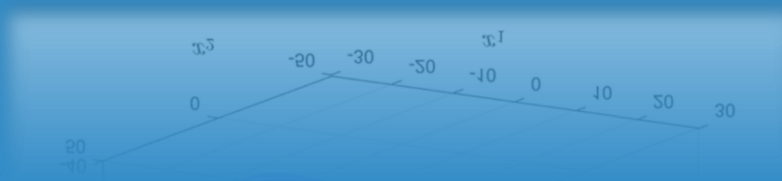
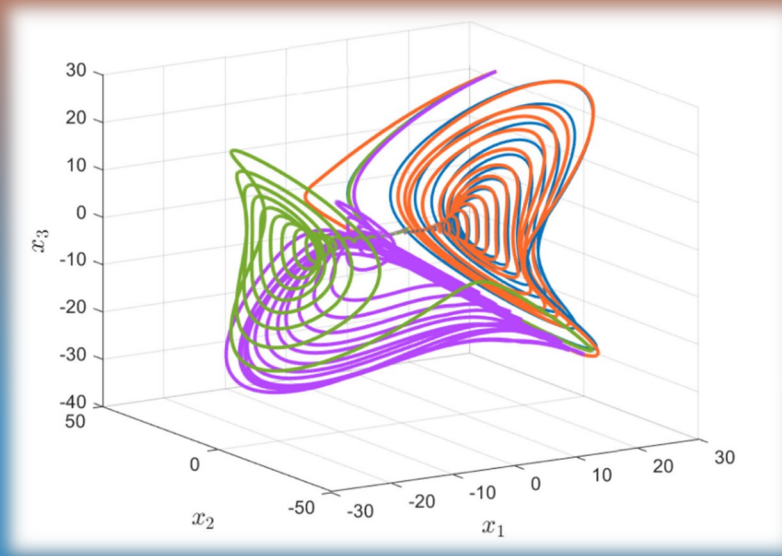


PUBLICATIONS CONTENT DIGEST



CSS Publications Activities

Vice-President

IOANNIS PASCHALIDIS *Boston University*

<http://ieeecss.org/publications>

Journal Editors

IEEE Transactions on Automatic Control

ALESSANDRO ASTOLFI *Imperial College London and University of Rome "Tor Vergata"*

<http://ieeecss.org/publication/transactions-automatic-control>

IEEE Transactions on Control Systems Technology

ANDREA SERRANI *Ohio State University*

<http://ieeecss.org/publication/transactions-control-systems-technology>

IEEE Transactions on Control of Network Systems

JEFF SHAMMA *University of Illinois at Urbana-Champaign*

ANNA SCAGLIONE Deputy Editor-in-Chief *Arizona State University*

<http://ieeecss.org/publication/transactions-control-network-systems>

IEEE Control Systems Letters

MARIA ELENA VALCHER *University of Padua*

<http://ieeecss.org/publication/control-systems-letters>

IEEE Control Systems Magazine

RODOLPHE SEPULCHRE *University of Cambridge*

<http://ieeecss.org/publication/ieee-control-systems-magazine>

IEEE Open Journal of Control Systems

SONIA MARTINEZ *University of California, San Diego*

<http://ieeecss.org/publication/open-journal-control-systems>

Electronics Editors

CSS State-Space Forum

FABIO PASQUALETTI *University of California, Riverside*

ANKUSH CHAKRABARTY *Mitsubishi Electric Research Laboratories*

<https://state-space.ieeecss.org>

***Submission and editorial instructions can be found on each publication's homepage**

IEEE TRANSACTIONS ON AUTOMATIC CONTROL

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



SEPTEMBER 2022

VOLUME 67

NUMBER 9

IETAA9

(ISSN 0018-9286)

REGULAR PAPERS

Linear Tracking MPC for Nonlinear Systems—Part I: The Model-Based Case	4390
..... <i>J. Berberich, J. Köhler, M. A. Müller, and F. Allgöwer</i>	
Linear Tracking MPC for Nonlinear Systems—Part II: The Data-Driven Case	4406
..... <i>J. Berberich, J. Köhler, M. A. Müller, and F. Allgöwer</i>	
From Dissipativity Theory to Compositional Synthesis of Large-Scale Stochastic Switched Systems	4422
..... <i>A. Lavaei and M. Zamani</i>	
Input–Output Finite-Time Stabilization of Linear Time-Varying Discrete-Time Systems	4438
..... <i>F. Amato, C. Cosentino, G. De Tommasi, A. Pironi, and M. Romano</i>	
Informational Cascades With Nonmyopic Agents	4451
..... <i>I. Bistritz, N. Heydaribeni, and A. Anastasopoulos</i>	
Policy Gradient for Continuing Tasks in Discounted Markov Decision Processes	4467
..... <i>S. Paternain, J. A. Bazerque, and A. Ribeiro</i>	
Inference With Aggregate Data in Probabilistic Graphical Models: An Optimal Transport Approach	4483
..... <i>R. Singh, I. Haasler, Q. Zhang, J. Karlsson, and Y. Chen</i>	
Appointed-Time and Attack-Free Bipartite Synchronization of Generic Linear Multiagent Systems Over Directed Switching Networks	4498
..... <i>Y. Zhao, Y. Zhou, P. Huang, and G. Chen</i>	
Strict Smooth Lyapunov Functions and Vaccination Control of the SIR Model Certified by ISS	4514
..... <i>H. Ito</i>	
False Data Injection Attacks Against State Estimation Without Knowledge of Estimators	4529
..... <i>A.-Y. Lu and G.-H. Yang</i>	
A Structure-Tensor Approach to Integer Matrix Completion in Indivisible Resource Allocation	4541
..... <i>Y. Mo, W. Chen, S. Z. Khong, and L. Qiu</i>	
State and Control Path-Dependent Stochastic Optimal Control With Jumps	4555
..... <i>J. Moon</i>	
Nonparametric Testing for Hammerstein Systems	4568
..... <i>M. Pawlak and J. Lv</i>	
Spill-Free Transfer and Stabilization of Viscous Liquid	4585
..... <i>I. Karafyllis and M. Krstic</i>	
Nonlinear Hamiltonian Systems Under Sampling	4598
..... <i>S. Monaco, D. Normand-Cyrot, M. Mattioni, and A. Moreschini</i>	
Distributed State Estimation for Continuous-Time Linear Systems With Correlated Measurement Noise	4614
..... <i>P. Duan, J. Qian, Q. Wang, Z. Duan, and L. Shi</i>	
Generalization of the Multiplicative and Additive Compounds of Square Matrices and Contraction Theory in the Hausdorff Dimension	4629
..... <i>C. Wu, R. Pines, M. Margaliot, and J.-J. Slotine</i>	
Implicit Implementation of Nonsmooth Controllers to Nonsmooth Actuators	4645
..... <i>R. Kikuuwe, Y. Yamamoto, and B. Brogliato</i>	
An Integrated Programmable CPG With Bounded Output	4658
..... <i>V. Pasandi, H. Sadeghian, M. Keshmiri, and D. Pucci</i>	
Efficient Global Solutions to Single-Input Optimal Control Problems via Approximation by Sum-of-Squares Polynomials	4674
..... <i>D. Rodrigues and A. Mesbah</i>	

(Contents Continued on Page 4389)



Jacobi-Style Iteration for Distributed Submodular Maximization	<i>B. Du, K. Qian, C. Claudel, and D. Sun</i>	4687
Optimal Selection of Observations for Identification of Multiple Modules in Dynamic Networks	<i>S. Jahandari and D. Materassi</i>	4703
Sufficient and Necessary Condition for the Asymptotic Stability of Stochastic Systems With Discrete Time Feedbacks and Applications	<i>X. Zhao and F. Deng</i>	4717
<hr/>		
TECHNICAL NOTES		
On the Stopping Criteria in Nonlinear Unknown Input Observability Condition	<i>M. A. Sarafrazi, Ü. Kotta, and Z. Bartosiewicz</i>	4733
Limited Coding-Length-Based Sliding-Mode Control With Adaptive Quantizer's Parameter	<i>J. Li, Y. Niu, and D. W. C. Ho</i>	4738
Generation of New Exciting Regressors for Consistent Online Estimation of Unknown Constant Parameters	<i>A. Bobtsov, B. Yi, R. Ortega, and A. Astolfi</i>	4746
An Inversion-Free Iterative Algorithm for Riccati Matrix Equations in Discrete-Time Markov Jump Systems	<i>Z. Li, Y. Zhang, and A.-G. Wu</i>	4754
A Sensory Feedback Based Discrete Distributed Observer to Cooperative Output Regulation	<i>M. Lu</i>	4762
The Continuous-Time Singular LQR Problem and the Riddle of Nonautonomous Hamiltonian Systems: A Behavioral Solution	<i>I. Qais and D. Pal</i>	4770
A Convex Approach to Data-Driven Optimal Control via Perron–Frobenius and Koopman Operators	<i>B. Huang and U. Vaidya</i>	4778
Finite-Time Stabilization for Continuous Triangular Systems via Vector Lyapunov Function Approach	<i>H. Ye</i>	4786
New Method for Disturbance Decoupling of Boolean Networks	<i>J.-E. Feng, Y. Li, S. Fu, and H. Lyu</i>	4794
Adaptive Output Feedback Control of Nonlinear Systems With Mismatched Uncertainties Under Input/Output Quantization	<i>Z. Zhang, C. Wen, L. Xing, and Y. Song</i>	4801
Adaptive Control of Time-Varying Parameter Systems With Asymptotic Tracking	<i>O. S. Patil, R. Sun, S. Bhasin, and W. E. Dixon</i>	4809
A Generalized Minimax Q-Learning Algorithm for Two-Player Zero-Sum Stochastic Games	<i>R. B. Diddigi, C. Kamanchi, and S. Bhatnagar</i>	4816
Secondary Frequency Control of Microgrids: An Online Reinforcement Learning Approach	<i>M. Adibi and J. van der Woude</i>	4824
Designing Resilient Linear Systems	<i>J.-B. Bouvier and M. Ornik</i>	4832
Distributed Negotiation for Reaching Agreement Among Reluctant Players in Cooperative Multiagent Systems	<i>G. Oliva, A. I. Rikos, A. Gasparri, and C. N. Hadjicostis</i>	4838
Global Leader-Following Consensus of Double-Integrator Multiagent Systems by Fully Distributed Bounded Linear Protocols	<i>K. Zhang, B. Zhou, and G. Wen</i>	4846
Second-Order NonConvex Optimization for Constrained Fixed-Structure Static Output Feedback Controller Synthesis	<i>Z. Cheng, J. Ma, X. Li, M. Tomizuka, and T. H. Lee</i>	4854
Tracking and Regulation Performance Limitations of Networked Control Systems Over Erasure Channel With Input Quantization	<i>X. Jiang, M. Chi, X. Chen, H. Yan, and T. Huang</i>	4862
A Direct Parameter-Error Codesign Approach of Discrete-Time Saturated LPV Systems	<i>C. de Souza, V. J. S. Leite, S. Tarbouriech, E. B. Castelan, and L. F. P. Silva</i>	4870
Stability of Truncated Sampled-Data Control Systems With Impulsive Effects	<i>B. Jiang, J. Lu, W. X. Zheng, and K. Shi</i>	4877
A Necessary and Sufficient Condition of an Interfering Reverse Edge for a Directed Acyclic Graph	<i>H.-T. Zhang, H. Cao, and Z. Chen</i>	4885
Robust Distributed Nash Equilibrium Seeking for Games Under Attacks and Communication Delays	<i>X.-F. Wang, X.-M. Sun, M. Ye, and K.-Z. Liu</i>	4892
Model-Predictive Control for Markovian Jump Systems Under Asynchronous Scenario: An Optimizing Prediction Dynamics Approach	<i>B. Zhang and Y. Song</i>	4900
Distributed Kalman Filtering Through Trace Proximity	<i>W. Liu, P. Shi, and S. Wang</i>	4908
Multiple Faults Estimation in Dynamical Systems: Tractable Design and Performance Bounds	<i>C. van der Ploeg, M. Alirezaei, N. van de Wouw, and P. M. Esfahani</i>	4916
On Compatibility and Region of Attraction for Safe, Stabilizing Control Laws	<i>W. S. Cortez and D. V. Dimarogonas</i>	4924
Convex Optimization of Bioprocesses	<i>J. A. Taylor, A. Rapaport, and D. Dochain</i>	4932

Multiplayer Pursuit-Evasion Differential Games With Malicious Pursuers	4939
..... <i>Y. Xu, H. Yang, B. Jiang, and M. M. Polycarpou</i>	
Robustly Forward Invariant Sets for Mixed-Monotone Systems	4947
..... <i>M. Abate and S. Coogan</i>	
Coding for Secrecy in Remote State Estimation With an Adversary	4955
..... <i>M. Lücke, J. Lu, and D. E. Quevedo</i>	
Controller-Based Interactive Proof to Ensure Trust in Multiagent Systems	4963
..... <i>J.-A. Delamer and S. Givigi</i>	
Second-Order-Optimal Filter on Lie Groups for Planar Rigid Bodies	
..... <i>D. Rigo, C. Segala, N. Sansonetto, and R. Muradore</i>	4971
Data-Driven Identification of Dissipative Linear Models for Nonlinear Systems	
..... <i>S. Sivaranjani, E. Agarwal, and V. Gupta</i>	4978
On the Observability of Attitude With Single Direction Measurements	4986
..... <i>W. Wang, K. Gamagedara, and T. Lee</i>	
A Sufficient Condition for k -Contraction of the Series Connection of Two Systems	
..... <i>R. Ofir, M. Margaliot, Y. Levron, and J.-J. Slotine</i>	4994
Extension of the Observability Rank Condition to Time-Varying Nonlinear Systems	5002
..... <i>A. Martinelli</i>	
Stochastic Linear Quadratic Optimal Control Problem: A Reinforcement Learning Method	
..... <i>N. Li, X. Li, J. Peng, and Z. Q. Xu</i>	5009
Stability of Time-Invariant Extremum Seeking Control for Limit Cycle Minimization	
..... <i>S. Kumar, O. Makarenkov, R. D. Gregg, and N. Gans</i>	5017

IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY



A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY

SEPTEMBER 2022

VOLUME 30

NUMBER 5

IETTE2

(ISSN 1063-6536)

REGULAR PAPERS

Any-Time Feasible Coordination for Multivehicle Systems	<i>M. Kneissl, A. Molin, H. Esen, and S. Hirche</i>	1807
Exponential Modulation Integral Observer for Online Detection of the Fundamental and Harmonics in Grid-Connected Power Electronics Equipment	<i>H. S. Lam, P. Li, B. Chen, W. M. Ng, T. Parisini, and S. Y. R. Hui</i>	1821
Constrained Iterative Learning Control for Linear Time-Varying Systems With Experimental Validation on a High-Speed Rack Feeder	<i>B. Chu, A. Rauh, H. Aschemann, E. Rogers, and D. H. Owens</i>	1834
Reactive Navigation of an Unmanned Aerial Vehicle With Perception-Based Obstacle Avoidance Constraints	<i>B. Lindqvist, S. S. Mansouri, J. Haluška, and G. Nikolakopoulos</i>	1847
A Physics-Guided Neural Network Dynamical Model for Droplet-Based Additive Manufacturing	<i>U. Inyang-Udoh and S. Mishra</i>	1863
Symbolic Scheduling of Robotic Cellular Manufacturing Systems With Timed Petri Nets	<i>B. Huang and M.C. Zhou</i>	1876
Traction Adaptive Motion Planning and Control at the Limits of Handling	<i>L. Svensson, M. Bujarbaruah, A. Karsolia, C. Berger, and M. Törngren</i>	1888
Voltage Regulation and Current Sharing in DC Microgrids With Different Information Scenarios	<i>A. Iovine, M. Jiménez Carrizosa, E. De Santis, M. D. Di Benedetto, P. Pepe, and A. Sangiovanni-Vincentelli</i>	1905
State Estimation and Leakage Detection in Water Distribution Networks Using Constrained Zonotopes	<i>B. S. Rego, S. G. Vrachimis, M. M. Polycarpou, G. V. Raffo, and D. M. Raimondo</i>	1920
Neural Network Model Predictive Motion Control Applied to Automated Driving With Unknown Friction	<i>N. A. Spielberg, M. Brown, and J. C. Gerdes</i>	1934
Path Learning in Human–Robot Collaboration Tasks Using Iterative Learning Methods	<i>X. Xing, J. Xia, D. Huang, and Y. Li</i>	1946
A Unified Passivity-Based Framework for Control of Modular Islanded AC Microgrids	<i>F. Strehle, P. Nahata, A. J. Malan, S. Hohmann, and G. Ferrari-Trecate</i>	1960
A Semidistributed Interior Point Algorithm for Optimal Coordination of Automated Vehicles at Intersections	<i>R. Hult, M. Zanon, S. Gros, and P. Falcone</i>	1977

(Contents Continued on Back Cover)



Faster and Healthier Charging of Lithium-Ion Batteries via Constrained Feedback Control	1990
..... <i>L. D. Couto, R. Romagnoli, S. Park, D. Zhang, S. J. Moura, M. Kinnaert, and E. Garone</i>	
Path Invariant Controllers for a Quadrotor With a Cable-Suspended Payload Using a Global Parameterization	2002
..... <i>A. Akhtar, S. Saleem, and J. Shan</i>	
Optimal Control of the Energy-Saving Hybrid Hydraulic-Electric Architecture (HHEA) for Off-Highway Mobile Machines	2018
..... <i>J. Siefert and P. Y. Li</i>	
Robots' State Estimation and Observability Analysis Based on Statistical Motion Models	2030
..... <i>W. Xu, D. He, Y. Cai, and F. Zhang</i>	
Parallel Active Link Suspension: Full Car Application With Frequency-Dependent Multiobjective Control Strategies	2046
..... <i>M. Yu, S. A. Evangelou, and D. Dini</i>	
Nonholonomic Virtual Constraints for Control of Powered Prostheses Across Walking Speeds	2062
..... <i>J. C. Horn and R. D. Gregg</i>	
A Contract Theory Approach to Dynamic Incentive Mechanism and Control Synthesis for Moral Hazard in Power Grids	2072
..... <i>Y. Wasa, K. Hirata, and K. Uchida</i>	
Eco-Driving of Compression-Ignition Vehicles to Minimize Nitrogen Oxide Emissions	2084
..... <i>R. A. Dollar, L. Thibault, M. Laraki, and A. Sciarretta</i>	
Battery Dispatching for End Users With On-Site Renewables and Peak Demand Charges—An Approximate Dynamic Programming Approach	2100
..... <i>M. E. Cholette, L. Liu, B. Jeddi, and Y. Mishra</i>	
Model-Based Optimal Adaptive Monitoring of Oil Spills	2115
..... <i>Z. Hodgson, I. Esnaola, and B. Jones</i>	
Symbolic Control Design of an Artificial Pancreas for Type-2 Diabetes	2131
..... <i>A. Borri, G. Pola, P. Pepe, M. D. Di Benedetto, and P. Palumbo</i>	
A Nonlinear Predictive Control Approach for Urban Drainage Networks Using Data-Driven Models and Moving Horizon Estimation	2147
..... <i>K. M. Balla, C. Schou, J. D. Bendtsen, C. Ocampo-Martinez, and C. S. Kallèsø</i>	
Efficient FPGA Parallelization of Lipschitz Interpolation for Real-Time Decision-Making	2163
..... <i>J. M. Nadales, J. M. Manzano, A. Barriga, and D. Limon</i>	
C-GLISp: Preference-Based Global Optimization Under Unknown Constraints With Applications to Controller Calibration	2176
..... <i>M. Zhu, D. Piga, and A. Bemporad</i>	
H-Infinity Loop-Shaped Model Predictive Control With HVAC Application	2188
..... <i>S. A. Bortoff, P. Schwerdtner, C. Danielson, S. Di Cairano, and D. J. Burns</i>	
<hr/>	
BRIEF PAPERS	
Robust Tuning of Active Disturbance Rejection Controller for Time-Delay Systems With Application to a Factual Electrostatic Precipitator	2204
..... <i>Z.-G. Su, Y. Sun, X. Zhu, Z. Chen, and L. Sun</i>	
A New Embodied Motor-Neuron Architecture	2212
..... <i>P. Arena, L. Patanè, and A. G. Spinosa</i>	
Resolving Kirchhoff's Laws for Parallel Li-Ion Battery Pack State-Estimators	2220
..... <i>R. Drummond, L. D. Couto, and D. Zhang</i>	
Nonlinear Autoregression With Convergent Dynamics on Novel Computational Platforms	2228
..... <i>J. Chen and H. I. Nurdin</i>	
Velocity and Disturbance Robust Nonlinear Estimator for Autonomous Surface Vehicles Equipped With Position Sensors	2235
..... <i>G. Bejarano, S. N-Yo, and L. Orihuela</i>	
Trajectory Tracking Control for a Three-Dimensional Flexible Wing	2243
..... <i>W. He, X. Tang, T. Wang, and Z. Liu</i>	
Twofold Observer-Based Precise Force Control	2251
..... <i>K. Samuel, R. Oboe, and S. Oh</i>	
Extremum Seeking-Based Control System for Particle Accelerator Beam Loss Minimization	2261
..... <i>A. Scheinker, E.-C. Huang, and C. Taylor</i>	
<hr/>	

IEEE

CONTROL SYSTEMS LETTERS

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



2022

VOLUME 6

NUMBER 8 (PAPERS from 401 to 450)

PAPERS

- Trigonometric-Type Sliding Mode Control With Exact Convergence Time, *R. Tang, K. Shao, B. Liang and F. Xu* pp. 2389-2394
- Dynamic Regret of Online Mirror Descent for Relatively Smooth Convex Cost Functions, *N. Eshraghi and B. Liang* pp. 2395-2400
- Bearing-Constrained Formation Tracking Control of Nonholonomic Agents Without Inter-Agent Communication, *Q. Van Tran and J. Kim* pp. 2401-2406
- Finite Quantized-Output Feedback Tracking Control of Possibly Non-Minimum Phase Linear Systems, *J. Guo, Y. Zhang, J. -F. Zhang and X. -K. Liu* pp. 2407-2412
- Minimal Laplacian Controllability of Directed Threshold Graphs, *S. -P. Hsu*..... pp. 2413-2418
- On Stochastic ISS of Time-Varying Switched Systems With Generic Lévy Switching Signals, *S. A. Hiremath and S. Ahmed*..... pp. 2419-2424
- Single-Input Perturbative Control of a Quantum Symmetric Rotor, *T. Chambrion and E. Pozzoli*..... pp. 2425-2430
- Well-Conditioned Linear Minimum Mean Square Error Estimation, *E. K. P. Chong* pp. 2431-2436
- Hyper-Labeled Transition System and Its Application to Planning Under Linear Temporal Logic Constraints, *T. Kinugawa and T. Ushio* pp. 2437-2442
- Willems' Fundamental Lemma for Linear Descriptor Systems and Its Use for Data-Driven Output-Feedback MPC, *P. Schmitz, T. Faulwasser and K. Worthmann*..... pp. 2443-2448
- Global Convergence and Asymptotic Optimality of the Heavy Ball Method for a Class of Nonconvex Optimization Problems, *V. Ugrinovskii, I. R. Petersen and I. Shames* pp. 2449-2454
- Hemodynamic Monitoring via Model-Based Extended Kalman Filtering: Hemorrhage Resuscitation and Sedation Case Study, *W. Yin, A. Tivay and J. -O. Hahn*..... pp. 2455-2460
- A Stabilizing Model Predictive Control Scheme With Arbitrary Prediction Horizon for Switched Linear Systems, *M. T. Augustine and D. U. Patil*..... pp. 2461-2466
- H_2 Optimal Model Order Reduction Over a Finite Time Interval, *K. Das, S. Krishnaswamy and S. Majhi*..... pp. 2467-2472
- An Accelerated Proximal Gradient-Based Algorithm for Quadratic Programming, *J. Wang and Y. Yang*..... pp. 2473-2478
- Data-Driven Optimal Control of Bilinear Systems, *Z. Yuan and J. Cortés* pp. 2479-2484
- Deep Reinforcement Learning for Market Making Under a Hawkes Process-Based Limit Order Book Model, *B. Gašperov and Z. Kostanjčar* pp. 2485-2490
- All Stable Equilibria Have Improved Performance Guarantees in Submodular Maximization With Communication-Denied Agents, *J. H. Seaton and P. N. Brown* pp. 2491-2496
- Stability of Discrete-Time Switched Systems With Multiple Equilibria Using a Common Quadratic Lyapunov Function, *M. A. Hafez and M. E. Broucke* pp. 2497-2502

Privacy-Preserving Average Consensus Via Edge Decomposition, <i>J. Zhang, J. Lu and X. Chen</i>	pp. 2503-2508
Distributed Quadratic Programming-Based Nonlinear Controllers for Periodic Gaits on Legged Robots, <i>V. R. Kamidi, J. Kim, R. T. Fawcett, A. D. Ames and K. Akbari Hamed</i>	pp. 2509-2514
Event-Triggered Prediction-Based Delay Compensation Approach, <i>F. Mazenc, M. Malisoff and C. Barbalata</i>	pp. 2515-2520
Feedback-Based Optimization With Sub-Weibull Gradient Errors and Intermittent Updates, <i>A. M. Ospina, N. Bastianello and E. Dall'Anese</i>	pp. 2521-2526
Exponentially Convergent Direct Adaptive Pole Placement Control of Plants With Unmatched Uncertainty Under FE Condition, <i>A. Glushchenko and K. Lastochkin</i>	pp. 2527-2532
A Mean-Field Analysis of a Network Behavioral–Epidemic Model, <i>K. Frieswijk, L. Zino, M. Ye, A. Rizzo and M. Cao</i>	pp. 2533-2538
H ² -Optimal Reduction of Positive Networks Using Riemannian Augmented Lagrangian Method, <i>S. Misawa and K. Sato</i>	pp. 2539-2544
Distributed Bayesian Estimation of Continuous Variables Over Time-Varying Directed Networks, <i>P. Paritosh, N. Atanasov and S. Martinez</i>	pp. 2545-2550
Fault-Tolerant Formation Control of Passive Multi-Agent Systems Using Energy Tanks, <i>A. Cristofaro, G. Giunta and P. R. Giordano</i>	pp. 2551-2556
Learning-Based Bounded Synthesis for Semi-MDPs With LTL Specifications, <i>R. Oura and T. Ushio</i>	pp. 2557-2562
PDE-Based Deployment of Multiagents Measuring Relative Position to One Neighbor, <i>A. Selivanov and E. Fridman</i>	pp. 2563-2568
Data-Driven Meets Geometric Control: Zero Dynamics, Subspace Stabilization, and Malicious Attacks, <i>F. Celi and F. Pasqualetti</i>	pp. 2569-2574
Delay-Dependent Positivity and Stability Analysis of Discrete-Time Systems With Delay, <i>L. Van Hien</i>	pp. 2575-2580
Observer Design for Non-Globally Lipschitz Nonlinear Systems Using Hilbert Projection Theorem, <i>A. Zemouche and R. Rajamani</i>	pp. 2581-2586
Excitation Allocation for Generic Identifiability of Linear Dynamic Networks With Fixed Modules, <i>H. J. Dreef, S. Shi, X. Cheng, M. C. F. Donkers and P. M. J. Van den Hof</i>	pp. 2587-2592
Almost Finite-Time Observers for a Family of Nonlinear Continuous-Time Systems, <i>F. Mazenc and M. Malisoff</i>	pp. 2593-2598
Nonlinear H [∞] Filtering on the Special Orthogonal Group SO(3) Using Vector Directions, <i>F. Aslam and M. F. Haydar</i>	pp. 2599-2604
Construction of a Destabilizing Nonlinearity for Discrete-Time Uncertain Lur'e Systems, <i>B. Patartics, P. Seiler, J. Carrasco and B. Vanek</i>	pp. 2605-2610
Finite-Sample Analysis of Off-Policy Natural Actor–Critic With Linear Function Approximation, <i>Z. Chen, S. Khodadadian and S. T. Maguluri</i>	pp. 2611-2616
LMI-Based Observer Design for Non-Globally Lipschitz Systems Using Kirszbraun–Valentine Extension Theorem, <i>A. Zemouche and R. Rajamani</i>	pp. 2617-2622
Robust Multi-Model Predictive Control via Integral Sliding Modes, <i>R. Galván-Guerra, G. P. Incremona, L. Fridman and A. Ferrara</i>	pp. 2623-2628
An Estimator-Based Dynamic Event-Triggered Protocol for Linear Multiagent Systems, <i>H. Zhang, J. Qiu, H. Yan and D. Chu</i>	pp. 2629-2634
Mixed-Integer Programming for Signal Temporal Logic With Fewer Binary Variables, <i>V. Kurtz and H. Lin</i>	pp. 2635-2640
Safe Learning for Uncertainty-Aware Planning via Interval MDP Abstraction, <i>J. Jiang, Y. Zhao and S. Coogan</i>	pp. 2641-2646
Model Predictive Control With Preview: Recursive Feasibility and Stability, <i>X. Fang and W. -H. Chen</i>	pp. 2647-2652

Embedded Code Generation With CVXPY, <i>M. Schaller, G. Banjac, S. Diamond, A. Agrawal, B. Stellato and S. Boyd</i>	pp. 2653-2658
Resilient Constrained Optimization in Multi-Agent Systems With Improved Guarantee on Approximation Bounds, <i>M. Kaheni, E. Usai and M. Franceschelli</i>	pp. 2659-2664
Quaternion-Based Attitude Stabilization via Discrete-Time IDA-PBC, <i>M. Mattioni, A. Moreschini, S. Monaco and D. Normand-Cyrot</i>	pp. 2665-2670
Data-Driven Approximations of Chance Constrained Programs in Nonstationary Environments, <i>S. Yan, F. Parise and E. Bitar</i>	pp. 2671-2676
New Bounds for State Transition Matrices, <i>F. Mazenc and M. Malisoff</i>	pp. 2677-2682
Necessary and Sufficient Condition to Assess Initial-State-Opacity in Live Bounded and Reversible Discrete Event Systems, <i>F. Basile, G. De Tommasi, C. Motta and C. Sterle</i>	pp. 2683-2688

UPCOMING CONFERENCES



Conference on Control Technology and Applications **CCTA 2022**

August 23–25, Trieste, Italy

Paper Submission Due:
February 22, 2022 (Passed)

Decision Notification:
May 10, 2022

Registration Opens:
Early June, 2022

Final Submissions:
June 30, 2022 (Passed)

<https://ccta2022.ieeecss.org/>



Conference on Decision and Control CDC 2022

December 6–9, Cancun, Mexico

Initial Paper to L-CSS with CDC option

March 21, 2022 (Passed)

Invited Session Proposals

March 24, 2022 (Passed)

Initial Paper Submission

March 31, 2022 (Passed)

Workshop Proposals

May 16, 2022 (Passed)

Decision Notification

Mid-July, 2022

Final Submission

September 14, 2022

<https://cdc2022.ieeecss.org/>



American Control Conference **ACC 2023**

May 31 – June 2, San Diego, CA, USA

LCSS Option Submission
September 9, 2022

Manuscript Submission
September 23, 2022

Acceptance/Rejection Notice
January 22, 2023

Final Manuscript Submission
March 13, 2023

<https://acc2023.a2c2.org/>



Conference on
Control Technology and Applications
CCTA 2023

August 23–25, Bridgetown, Barbados

Paper Submission Opens:

November 4, 2022

Paper Submission Due:

January 31, 2023

Decision Notification:

April 21, 2023

Registration Opens:

Middle of May, 2023

Final Submissions:

Middle of June, 2023

<https://ieeeccta.org/>