

CONTROL SYSTEMS SOCIETY



PUBLICATIONS CONTENT DIGEST

Publications Activities

Vice-President

THOMAS PARISINI *Imperial College, UK*

<http://www.ieeecss.org/publications/css-publications>

Journal Editors

IEEE Transactions on Automatic Control

PANOS J. ANTSAKLIS *University of Notre Dame*

<http://www.ieeecss.org/publications/tac>

IEEE Transactions on Control Systems Technology

ANDREA SERRANI *Ohio State University*

<http://www.ieeecss.org/publications/tcst>

IEEE Transactions on Control of Network Systems

IOANNIS PASCHALIDIS *Boston University*

JEFF SHAMMA Deputy Editor-in-Chief *King Abdullah University of Science and Technology*

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

IEEE Control Systems Magazine

JONATHAN HOW *Massachusetts Institute of Technology*

<http://www.ieeecss.org/publications/csm>

IEEE Control Systems Letters

MARIA ELENA VALCHER *University of Padua*

<http://iee-cssletters.dei.unipd.it/index.php>

Electronics Editor

E-letter on Systems, Control and Signal Processing

JIANGHAI HU *Purdue University*

<http://www.ieeecss.org/publications/e-letter/e-letter>

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

For subscription to the monthly E-Letter, please visit:

<http://www.ieeecss.org/newsletter/subscriptions>

IEEE TRANSACTIONS ON AUTOMATIC CONTROL

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



JULY 2017

VOLUME 63

NUMBER 7

IETAA9 (ISSN 0018-9286)

Table of Contents

Full Text: [PDF](#)

IEEE Transactions on Automatic Control Publication information

Full Text: [PDF](#)

Scanning the Issue

Full Text: [PDF](#)

Full Papers

Distributed Intermittent Connectivity Control of Mobile Robot Networks

Y. Kantaros, M. M. Zavlanos

[Abstract](#) | Full Text: [PDF](#)

Adaptive Source Localization Based Station Keeping of Autonomous Vehicles

S. Guler, B. Fidan, S. Dasgupta, B. D.O. Anderson,
I. Shames

[Abstract](#) | Full Text: [PDF](#)

Robust Nonlinear Regulation: Continuous-time Internal Models and Hybrid Identifiers

F. Forte, L. Marconi, A. R. Teel

[Abstract](#) | Full Text: [PDF](#)

Robust Stochastic Design of Signal-Controlled Road Network Under Uncertain Travel Demands

S-W. Chiou

[Abstract](#) | Full Text: [PDF](#)

Constraint-Tightening and Stability in Stochastic Model Predictive Control

M. Lorenzen, F. Dabbene, R. Tempo, F. Allgower

[Abstract](#) | Full Text: [PDF](#)

Games on Large Networks: Information and Complexity

I. Kordonis, G. P. Papavassilopoulos

[Abstract](#) | Full Text: [PDF](#)

Generalized Derivatives for Hybrid Systems

K. A. Khan, P. I. Barton

[Abstract](#) | Full Text: [PDF](#)

Reduction of Sufficient Conditions for Optimal Control Problems with Subgroup Symmetry Stabilization

A. Borum, T. Bretl

[Abstract](#) | Full Text: [PDF](#)

ϵ -Nash Equilibria for Partially Observed LQG Mean Field Games with Major Player

P. E. Caines, A. C. Kizilkale

[Abstract](#) | Full Text: [PDF](#)

Optimal Policies for Brownian Inventory Systems with a Piecewise Linear Ordering Cost

D. Yao, X. Chao, J. Wu

[Abstract](#) | Full Text: [PDF](#)

Approximately Optimal Computing-Budget Allocation for Selection of Best and Worst Designs

J. Zhang, L. Zhang, C. Wang, M. Zhou

[Abstract](#) | Full Text: [PDF](#)

Representation and Factorization of Discrete- Time Rational All-Pass Functions

A. Ferrante, G. Picci

[Abstract](#) | Full Text: [PDF](#)

Recursive Identification of Hammerstein Systems: Convergence Rate and Asymptotic Normality
B. Mu, H-F. Chen, L. Y. Wang, G. Yin, W. X. Zheng

[Abstract](#) | Full Text: [PDF](#)

Model Reduction by Differential Balancing based on Nonlinear Hankel Operators
Y. Kawano, J. M.A. Scherpen

[Abstract](#) | Full Text: [PDF](#)

Distributed Finite-Element Kalman Filter for Field Estimation
G. Battistelli, L. Chisci, N. Forti, G. Pelosi, S. Selleri

[Abstract](#) | Full Text: [PDF](#)

Sequential Decision Making with Coherent Risk
A. Tamar, Y. Chow, G. Mohammad, S. Mannor

[Abstract](#) | Full Text: [PDF](#)

Iterative Learning and Extremum Seeking for Repetitive Time-varying Mappings
Z. Cao, H-B. Durr, C. Ebenbauer, F. Allgower, F. Gao

[Abstract](#) | Full Text: [PDF](#)

Minimum Sparsity of Unobservable Power Network Attacks
Y. Zhao, A. Goldsmith, H. V. Poor

[Abstract](#) | Full Text: [PDF](#)

Harsanyi Power Solutions in Coalitional Control Systems
F. J. Muros, E. Algaba, J.M. Maestre, E. F. Camacho

[Abstract](#) | Full Text: [PDF](#)

Periodic Stabilization of Discrete-Time Switched Linear Systems
D. Lee, J. Hu

[Abstract](#) | Full Text: [PDF](#)

Technical Notes and Correspondence

Note on Minimax Sliding Mode Control Design for Linear Systems
S. Zhuk, A. Polyakov, O. Nakonechnyi

[Abstract](#) | Full Text: [PDF](#)

An Efficient and Stabilizing Model Predictive Control of Switched Systems

F K. Hariprasad, S. Bhartiya

[Abstract](#) | Full Text: [PDF](#)

Controllability Analysis for a Networked Dynamic System with Autonomous Subsystems
Y. Zhang, T. Zhou

[Abstract](#) | Full Text: [PDF](#)

Lyapunov Functions for Persistently-Excited Cascaded Time-Varying Systems: Application to Consensus

M. Maghenem, A. Loria

[Abstract](#) | Full Text: [PDF](#)

Distributed Coordinated Tracking Control for a Class of Uncertain Multiagent Systems
J. Wang

[Abstract](#) | Full Text: [PDF](#)

A General Framework for Predictors based on Bounding Techniques and Local Approximation
J. M. Bravo, T. Alamo, M. Vasallo, M. E. Gegundez

[Abstract](#) | Full Text: [PDF](#)

On Parametrization of all the Exact Pole-Assignment State-Feedbacks for LTI Systems
Y. (J.) Peretz

[Abstract](#) | Full Text: [PDF](#)

On the Decay Rate of Discrete-time Linear Delay Systems with Cone Invariance
J. Shen, J. Lam

[Abstract](#) | Full Text: [PDF](#)

Cooperative Control for Moving-Target Circular Formation of Nonholonomic Vehicles
X. Yu, L. Liu, G. Feng

[Abstract](#) | Full Text: [PDF](#)

Robust Stabilization for Uncertain Saturated Time-Delay Systems: A Distributed-Delay-Dependent Polytopic Approach
Y. Chen, S. Fei, Y. Li

[Abstract](#) | Full Text: [PDF](#)

A Multi-Agent System with a Proportional-Integral Protocol for Distributed Constrained Optimization

S. Yang, Q. Liu, J. Wang

[Abstract](#) | Full Text: [PDF](#)

On Applicability of Auxiliary System Approach to Detect Generalized Synchronization in Complex Networks

J. Zhou, C. Juan, J. Lu, J. Lu

[Abstract](#) | Full Text: [PDF](#)

Distributed Stochastic MPC of Linear Systems with Additive Uncertainty and Coupled Probabilistic Constraints

L. Dai, Y. Xia, Y. Gao, M. Cannon

[Abstract](#) | Full Text: [PDF](#)

Minimax Lower Bound and Optimal Estimation of Convex Functions in the Sup-norm

T. M. Lebar, J. Shen, X. Wang

[Abstract](#) | Full Text: [PDF](#)

Single/Multiple Integral Inequalities with Applications to Stability Analysis of Time-Delay Systems

J. Chen, S. Xu, B. Zhang

[Abstract](#) | Full Text: [PDF](#)

Distributed Tracking Control of an Interconnected Leader-follower Multi-agent System

H. Cai, G. Hu

[Abstract](#) | Full Text: [PDF](#)

New Results on Stability of Slowly Switched Systems: A Multiple Discontinuous Lyapunov Function Approach

X. Zhao, P. Shi, Y. Yin, S. K. Nguang

[Abstract](#) | Full Text: [PDF](#)

Stabilization via Generalized Homogeneous Approximations

S. Battilotti

[Abstract](#) | Full Text: [PDF](#)

Reach-Avoid Verification for Nonlinear Systems Based on Boundary Analysis

B. Xue, A. Easwaran, N-J. Cho, M. Franzle

[Abstract](#) | Full Text: [PDF](#)

Event-Triggered Mean-Square Consensus Control for Time-Varying Stochastic Multi-Agent System with Sensor Saturations

L. Ma, Z. Wang, H-K. Lam

[Abstract](#) | Full Text: [PDF](#)

An On-line Sensor Selection Algorithm for SPRT with Multiple Sensors

C-Z. Bai, V. Gupta

[Abstract](#) | Full Text: [PDF](#)

Minimum Flow Time in a Tandem Two-Server Fluid Network

Y. Luzon, E. Khmelnitsky, Y. Marmor

[Abstract](#) | Full Text: [PDF](#)

Performance Enhancement of Parameter Estimators via Dynamic Regressor Extension and Mixing

S. Aranovskiy, A. Bobtsov, R. Ortega, A. Pyrkin

[Abstract](#) | Full Text: [PDF](#)

Sliding Mode Observer-Based FTC for Markovian Jump Systems with Actuator and Sensor Faults

S. Yin, H. Yang, O. Kaynak

[Abstract](#) | Full Text: [PDF](#)

Robust H-infinity Group Consensus for Interacting Clusters of Integrator Agents

J. Qin, Q. Ma, W. X. Zheng, H. Gao, Y. Kang

[Abstract](#) | Full Text: [PDF](#)

Linear Minimum Mean Square Filters for Markov Jump Linear Systems

E. F. Costa, B. de Saporta

[Abstract](#) | Full Text: [PDF](#)

New Criteria on pth Moment Input-to-State Stability of Impulsive Stochastic Delayed Differential Systems

S. Peng, F. Deng

[Abstract](#) | Full Text: [PDF](#)

A Sliding Mode Observer for Infinitely Unobservable Descriptor Systems

J. H. T. Ooi, C. P. Tan, S. G. Nurzaman, K. Y. Ng

[Abstract](#) | Full Text: [PDF](#)

Higher Order Super-Twisting for Perturbed Chains of Integrators

S. Laghrouche, M. Harmouche, Y. Chitour

[Abstract](#) | Full Text: [PDF](#)

Concurrent Learning for Parameter Estimation Using Dynamic State-Derivative Estimators

R. Kamalapurkar, B. Reish, G. Chowdhary, W. E. Dixon

[Abstract](#) | Full Text: [PDF](#)

Distributed Optimization of Linear Multi-Agent Systems: Edge- and Node-Based Adaptive Designs

Y. Zhao, Y. Liu, G. Wen, G. Chen

[Abstract](#) | Full Text: [PDF](#)

Necessary and Sufficient Conditions on the Exponential Stability of Positive Hyperbolic Systems

L. Zhang, C. Prieur

[Abstract](#) | Full Text: [PDF](#)

An Impulsive Delay Inequality Involving Unbounded Time-Varying Delay and Applications

X. Li, J. Cao

[Abstract](#) | Full Text: [PDF](#)

Event-based State Estimation of Hidden Markov Models through a Gilbert-Elliott Channel

W. Chen, J. Wang, D. Shi, L. Shi

[Abstract](#) | Full Text: [PDF](#)

L_1 -stochastic Stability and L_1 -gain Performance of Positive Markov Jump Linear Systems with Time-Delays: Necessary and Sufficient Conditions

S. Zhu, Q-L. Han, C. Zhang

[Abstract](#) | Full Text: [PDF](#)

Some New Results on Integral-type Backstepping Method for a Control Problem Governed by a Linear Heat Equation

Z. Zhou, C. Yu, K. L. Teo

[Abstract](#) | Full Text: [PDF](#)

Output-based Event-triggered Control with Performance Guarantees

B. Asadi Khashooei, D. Antunes, W.P.M.H. Heemels

[Abstract](#) | Full Text: [PDF](#)

Stability Analysis of Sampled-data Systems via Free-Matrix-Based Time-Dependent Discontinuous Lyapunov Approach

T. H. Lee, J. H. Park

[Abstract](#) | Full Text: [PDF](#)

Time-varying Formation Tracking for Linear Multi-agent Systems with Multiple Leaders

X. Dong, G. Hu

[Abstract](#) | Full Text: [PDF](#)

Computing Robust Controlled Invariant Sets of Linear Systems

M. Rungger, P. Tabuada

[Abstract](#) | Full Text: [PDF](#)

Time-Varying Parameter Identification Algorithms: Finite and Fixed-Time Convergence

H. Ríos, D. Efimov, J. A. Moreno, W. Perruquetti, J. G. Rueda-Escobedo

[Abstract](#) | Full Text: [PDF](#)

Convex Parameterizations and Fidelity Bounds for Nonlinear Identification and Reduced-Order Modelling

M. M. Tobenkin, I. R. Manchester, A. Megretski

[Abstract](#) | Full Text: [PDF](#)

Distributed Time-varying Quadratic Optimization for Multiple Agents under Undirected Graphs

C. Sun, M. Ye, G. Hu

[Abstract](#) | Full Text: [PDF](#)

IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



JULY 2017

VOLUME 25

NUMBER 4

IETTE2

(ISSN 1063-6536)

Table of Contents

Full Text: [PDF](#)

IEEE Transactions on Control Systems Technology

Publication information

Full Text: [PDF](#)

Regular Papers

Decentralized Feedback Controllers for Robust Stabilization of Periodic Orbits of Hybrid Systems:

Application to Bipedal Walking

K. Akbari Hamed and R. D. Gregg, IV

[Abstract](#) | Full Text: [PDF](#)

Closed-Loop Combustion Noise Limit Control for Modern Diesel Combustion Modes

I. Haskara and Y-Y. Wang

[Abstract](#) | Full Text: [PDF](#)

Adaptive Stabilization of a Class of Feedforward Nonlinear Systems Subject to Unknown Backlash-Hysteresis Inputs

S. Ibrir and C-Y. Su

[Abstract](#) | Full Text: [PDF](#)

Nonlinear Control With State-Dependant Reset Integrator for a Class of Singularly Perturbed Interconnected Nonlinear Systems

D. Shin, W. Kim, Y. Lee, and C. C. Chung

[Abstract](#) | Full Text: [PDF](#)

Collision Avoidance and Stabilization for Autonomous Vehicles in Emergency Scenarios

J. Funke, M. Brown, S. M. Erlien, and J. C. Gerdes

[Abstract](#) | Full Text: [PDF](#)

Reduced-Order Electrochemical Model-Based SOC Observer With Output Model Uncertainty Estimation

N. Lotfi, R. G. Landers, J. Li, and J. Park

[Abstract](#) | Full Text: [PDF](#)

Dual-Quaternion-Based Fault-Tolerant Control for Spacecraft Tracking With Finite-Time Convergence

H. Dong, Q. Hu, M. I. Friswell, and G. Ma

[Abstract](#) | Full Text: [PDF](#)

Scheduling and Control of Startup Process for Single-Arm Cluster Tools With Residency Time Constraints

Y. Qiao, M. C. Zhou, N. Q. Wu, Q. H. Zhu

[Abstract](#) | Full Text: [PDF](#)

Energy-Constrained Coordination of Multi-Robot Teams

T. Setter and M. Egerstedt

[Abstract](#) | Full Text: [PDF](#)

Convex Modeling and Optimization of a Vehicle Powertrain Equipped With a Generator-Turbine Throttle Unit

S. Marinkov, N. Murgovski, and B. de Jager

[Abstract](#) | Full Text: [PDF](#)

An Open-Loop Pole–Zero Placement Method for Active Noise Control Headphones

K.-W. Liang and J.-S. Hu

[Abstract](#) | Full Text: [PDF](#)

Stability, Control, and Constraint Enforcement of Piston Motion in a Hydraulic Free-Piston Engine

K. Zaseck, M. Brusstar, and I. Kolmanovsky

[Abstract](#) | Full Text: [PDF](#)

Dynamic Modeling, Trajectory Optimization, and Control of a Flexible Kiteplane

R. J. Caverly and J. R. Forbes

[Abstract](#) | Full Text: [PDF](#)

Stochastic Simulation and Performance Analysis of Classical Knock Control Algorithms

J. C. Peyton Jones, J. Frey, and S. Shayestehmanesh

[Abstract](#) | Full Text: [PDF](#)

Cycle Time Optimization of Deterministic Timed Weighted Marked Graphs by Transformation

Z. He, Z. W. Li, and A. Giua

[Abstract](#) | Full Text: [PDF](#)

Stability Analysis of Bilateral Teleoperation With Bounded and Monotone Environments via Zames–Falb Multipliers

H. Tugal, J. Carrasco, P. Falcon, and A. Barreiro

[Abstract](#) | Full Text: [PDF](#) [2326 KB]

Parameters Estimation of Hydraulic Circuit Head Losses for Virtual Sensor Design

S. Malan, C. Greco, R. Tisseur, and F. Bari

[Abstract](#) | Full Text: [PDF](#)

Finite-Time Output Feedback Control for PWM-Based DC–DC Buck Power Converters of Current Sensorless Mode

J. Wang, C. Zhang, S. Li, J. Yang, and Q. Li

[Abstract](#) | Full Text: [PDF](#)

Simultaneous Identification and Adaptive Torque Control of Permanent Magnet Synchronous Machines

D. M. Reed, J. Sun, and H. F. Hofmann

[Abstract](#) | Full Text: [PDF](#)

Delay Compensation for Real Time Disturbance Estimation at Extremely Large Telescopes

M. Böhm, J-U. Pott, M. Kürster, O. Sawodny, D. Defrère, and P. Hinz

[Abstract](#) | Full Text: [PDF](#)

Real-Time Adaptive Control of a Fuel Cell/Battery Hybrid Power System With Guaranteed Stability

C. Wu, J. Chen, C. Xu, and Z. Liu

[Abstract](#) | Full Text: [PDF](#)

Brief Papers

Fast ADMM for Distributed Model Predictive Control of Cooperative Waterborne AGVs

H. Zheng, R. R. Negenborn, and G. Lodewijks

[Abstract](#) | Full Text: [PDF](#)

Online Model Estimation for Predictive Thermal Control of Buildings

P. Radecki and B. Hency

[Abstract](#) | Full Text: [PDF](#)

Stable Path-Following Control for a Quadrotor Helicopter Considering Energy Consumption

D. C. Gandolfo, L. R. Salinas, A. Brandão, and J. M. Toibero

[Abstract](#) | Full Text: [PDF](#)

Fault-Tolerant Flight Control Design With Finite-Time Adaptation Under Actuator Stuck Failures

X. Yu, Z. Liu, and Y. M. Zhang

[Abstract](#) | Full Text: [PDF](#)

Shape Control of a Snake Robot With Joint Limit and Self-Collision Avoidance

M. Tanaka and K. Tanaka

[Abstract](#) | Full Text: [PDF](#)

Battery Power Smoothing Control in a Marine Electric Power Plant Using Nonlinear Model Predictive Control

T. I. Bø and T. A. Johansen

[Abstract](#) | Full Text: [PDF](#)

Connectivity Assessment of Random Directed Graphs with Application to Underwater Sensor Networks

M. M. Asadi, H. Mahboubi, J. Habibi,

A. G. Aghdam, and S. Blouin

[Abstract](#) | Full Text: [PDF](#)

NVH Optimization of Range Extender Engines by Electric Torque Profile Shaping

J. Andert, K. Herold, R. Savelsberg, and M. Pischinger

[Abstract](#) | Full Text: [PDF](#)

Distributed Robust Control of the Power Flows
in a Team of Cooperating Microgrids

C. Bersani, H. Dagdougui, A. Ouammi, and
R. Sacile

[Abstract](#) | Full Text: [PDF](#)

Decentralized Multi-UAV Flight Autonomy for Moving
Convoys Search and Track

W. Meng, Z. He, R. Su, P. K. Yadav, R. Teo, and
L. Xie

[Abstract](#) | Full Text: [PDF](#)

Identification-Based Closed-Loop Control Strategies
for a Cylinder Wake Flow

E. Atam, L. Mathelin, and L. Cordier

[Abstract](#) | Full Text: [PDF](#)

Stability Boundaries for Offshore Wind Park Distributed
Voltage Control

M. P. S. Gryning, Q. Wu, Ł. Kocewiak, H. H. Niemann,
K. P. H. Andersen, and M. Blanke

[Abstract](#) | Full Text: [PDF](#)

Implementation of Nonlinear Model Predictive
Path-Following Control for an Industrial Robot

T. Faulwasser, T. Weber, P. Zometa, and R. Findeisen

[Abstract](#) | Full Text: [PDF](#)

Optimal Hybrid Magnetic Attitude Control:
Disturbance Accommodation and Impulse Timing

B. Vatankhahghadim and C. J. Damaren

[Abstract](#) | Full Text: [PDF](#)

Application of Extremum Seeking for Time-Varying
Systems to Resonance Control of RF Cavities

A. Scheinker

[Abstract](#) | Full Text: [PDF](#)

NARMAX Self-Tuning Controller for Line-of-Sight-
Based Waypoint Tracking for an Autonomous
Underwater Vehicle

R. Rout and B. Subudhi

[Abstract](#) | Full Text: [PDF](#)

IEEE

CONTROL SYSTEMS LETTERS

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



JULY 2017

VOLUME 1

NUMBER 1

ICSLBO

(ISSN 2475-1456)

PAPERS

Editorial	<i>M. E. Valcher</i>	1
Riemannian Optimal Model Reduction of Linear Second-Order Systems	<i>K. Sato</i>	2
Eigenvalue Invariance of Inhomogeneous Matrix Products in Distributed Algorithms	<i>S. Mou and B. D. O. Anderson</i>	8
Matricial Wasserstein-1 Distance	<i>Y. Chen, T. T. Georgiou, L. Ning, and A. Tannenbaum</i>	14
Robust Control Policies Given Formal Specifications in Uncertain Environments	<i>D. Frick, T. A. Wood, G. Ulli, and M. Kamgarpour</i>	20
Knife-Edge Motion on a Surface as a Nonholonomic Control Problem	<i>H. McClamroch, M. Reyhanoglu, and M. Rehan</i>	26
On Minimum-Variance Event-Triggered Control	<i>A. Goldenshluger and L. Mirkin</i>	32
An Improved Lion Strategy for the Lion and Man Problem	<i>M. Casini and A. Garulli</i>	38
Flow-Inducing Networks	<i>G. Giordano and F. Blanchini</i>	44
Representation of Chance-Constraints With Strong Asymptotic Guarantees	<i>J. B. Lasserre</i>	50
Computing Minimal and Maximal Allowable Transmission Intervals for Networked Control Systems Using the Hybrid Systems Approach	<i>S. H. J. Heijmans, R. Postoyan, D. Nešić, and W. P. M. H. Heemels</i>	56
Establishing Traveling Wave in Bistable Reaction-Diffusion System by Feedback	<i>P.-A. Bliman and N. Vauchelet</i>	62
Model Order Reduction and Composite Control for a Class of Slow-Fast Systems Around a Non-Hyperbolic Point	<i>H. Jardón-Kojakhmetov and J. M. A. Scherpen</i>	68
An Extension of Lyapunov's First Method to Nonlinear Systems With Non-Continuously Differentiable Vector Fields	<i>H. Lhachemi, D. Saussié, and G. Zhu</i>	74
Exploiting Sparsity in the Coefficient Matching Conditions in Sum-of-Squares Programming Using ADMM ...	<i>Y. Zheng, G. Fantuzzi, and A. Papachristodoulou</i>	80
A Network Optimization Approach to Cooperative Control Synthesis	<i>M. Sharf and D. Zelazo</i>	86
Computing the Stochastic H^∞ -Norm by a Netwon Iteration	<i>T. Damm, P. Benner, and J. Hauth</i>	92

(Contents Continued on Page ii)



A Scalable Sampling Method to High-Dimensional Uncertainties for Optimal and Reinforcement Learning-Based Controls	<i>J. Xie, Y. Wan, K. Mills, J. J. Filliben, and F. L. Lewis</i>	98
Distributed Economic MPC With Separable Control Contraction Metrics	<i>R. Wang, I. R. Manchester, and J. Bao</i>	104
Predictive Control of Autonomous Kites in Tow Test Experiments	<i>T. A. Wood, H. Hesse, and R. S. Smith</i>	110
Sampled-Data Reduction of Nonlinear Input-Delayed Dynamics	<i>M. Mattioni, S. Monaco, and D. Normand-Cyrot</i>	116
Effects of Delays, Poles, and Zeros on Time Domain Waterbed Tradeoffs and Oscillations	<i>Y. P. Leong and J. C. Doyle</i>	122
Preserving Privacy of Finite Impulse Response Systems	<i>G. Bottegal, F. Farokhi, and I. Shames</i>	128
On Infinite Linear Programming and the Moment Approach to Deterministic Infinite Horizon Discounted Optimal Control Problems	<i>A. Kamoutsis, T. Sutter, P. M. Esfahani, and J. Lygeros</i>	134
On the Design of Nonlinear Distributed Control Protocols for Platooning Systems	<i>J. Monteil and G. Russo</i>	140
Stochastic Game in Remote Estimation Under DoS Attacks	<i>K. Ding, S. Dey, D. E. Quevedo, and L. Shi</i>	146
A Fast Method for Real-Time Chance-Constrained Decision With Application to Power Systems	<i>S. Bolognani, E. Arcari, and F. Dörfler</i>	152
Stability Analysis of Equilibria of Linear Delay Complementarity Systems	<i>J. J. B. Biemond, W. Michiels, and N. van de Wouw</i>	158
A Convex Optimization Approach to Distributionally Robust Markov Decision Processes With Wasserstein Distance	<i>I. Yang</i>	164
On the Coherence of Large-Scale Networks With Distributed PI and PD Control	<i>E. Tegling and H. Sandberg</i>	170
Stochastic Channel Allocation for Networked Control Systems	<i>Y. Long, S. Liu, and L. Xie</i>	176
A Local Polynomial Approach to Nonparametric Estimation of the Best Linear Approximation of Lithium-Ion Battery From Multiple Datasets	<i>R. Relan, K. Tiels, J.-M. Timmermans, and J. Schoukens</i>	182
Fast Consensus in Multi-Agent Systems With Star Topology Using High Gain Observers	<i>D. Chowdhury and H. K. Khalil</i>	188
Controlled Mobile Radiation Detection Under Stochastic Uncertainty	<i>I. Yadav and H. G. Tanner</i>	194
Approximation of Vector Processes by Covariance Matching With Applications to Smoothing	<i>G. Picci and B. Zhu</i>	200
Proof of Local Convergence of a New Algorithm for Covariance Matching of Periodic ARMA Models	<i>B. Zhu and G. Picci</i>	206

UPCOMING IEEE CONFERENCES



CCTA 2017

Important Dates

Paper Submissions Open:
~~December 15, 2016~~ (Passed)

Invited Session Proposals Due:
~~March 1, 2017~~ (Passed)

Contributed and Invited Papers Due:
~~March 1, 2017~~ (Passed)

Acceptance Notice:
~~June 1, 2017~~ (Passed)

Final Submissions Due:
~~July 1, 2017~~

2017 CONFERENCE ON TECHNOLOGY AND APPLICATIONS

AUGUST 27-30, 2017
KOHALA COAST, HI, USA

CCTA 2017 will be held at the Mauna Lani Bay Hotel and Bungalows on the Big Island. The venue is a medium-sized, serene property on the west Kohala Coast, and the organizers have negotiated reasonable room rates which include all resort amenities. The Big Island of Hawai'i offers an abundance of natural beauty and sites, with 11 of the world's 13 climate zones. With a land mass of nearly twice the size of all other Hawaiian Islands combined, but with only a small fraction of the state's population, its diverse terrain spans green and black sand beaches to lush rainforests, waterfalls and active volcanoes.

<http://ccta2017.ieeecss.org/>

December 12-15, 2017
Melbourne, Australia

2017 IEEE Conference on Decision and Control



Important Dates

~~January 4, 2017~~: Submission Site Opens (Passed)

~~March 20, 2017~~: Initial Paper Submissions Due (Passed)

~~May 1, 2017~~ Workshop Proposals Due (Passed)

Mid-July Paper and Workshop Decision Notification

August 1, 2017: Final Paper Submission and Registration Open

September 20, 2017: Accepted Papers Due



american control conference

JUNE 27-29, 2018

MILWAUKEE, WISCONSIN, USA

ACC 2018