

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-csletters.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



OCTOBER 2017

VOLUME 63

NUMBER 10

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

Conditions for Almost Global Attractivity of a Synchronous Generator Connected to an Infinite Bus

N. Barabanov, J. Schiffer, R. Ortega, D. Efimov

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

Secure State Estimation for Cyber Physical Systems under Sensor Attacks: A Satisfiability Modulo Theory Approach

Y. Shoukry, P. Nuzzo, A. Puggelli, A. L.
Sangiovanni-Vincentelli, S. A. Seshia, P. Tabuada

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

Control of a City Road Network: Distributed Exact Verification of Traffic Safety

A. Colombo, G. Rodrigues De Campos, F. Della
Rossa

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

A Robust Event-Triggered Approach for Fast Sampled-Data Extremization and Learning

J. I. Poveda, A. R. Teel

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

Optimal Control of State-Dependent Service Rates in a MAP/M/1 Queue

L. Xia, Q-M. He, A. S. Alfa

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

DEXTRA: A Fast Algorithm for Optimization Over Directed Graphs

C. Xi, U. A. Khan

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

Stability and Performance Analysis of Spatially Invariant Systems with Networked Communication

S. H. J. Heijmans, D. P. Borgers, W.P.M.H.
Heemels

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

Information Transfer of Control Strategies: Dualities of Stochastic Optimal Control Theory and Feedback Capacity of Information Theory

C. D. Charalambous, C. K. Kourtellaris, I.
Tzortzis

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

Reduction of Second-Order Network Systems with Structure Preservation

X. Cheng, Y. Kawano, J. M.A. Scherpen

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

Computable Delay Margins for Adaptive Systems with State Variables Accessible

H. Hussain, Y. Yildiz, M. Matsutani, A.
Annaswamy, E. Lavretsky

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

Towards Synchronization in Networks with Nonlinear Dynamics: A Submodular Optimization Framework

A. Clark, B. Alomair, L. Bushnell, R.
Poovendran

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

Fekete Points, Formation Control, and the Balancing Problem

J. M. Montenbruck, D. Zelazo, F. Allgower
[Abstract](#) | Full Text: [PDF](#)

Convergence Rate of Distributed ADMM over Networks

A. Makhdoumi, A. Ozdaglar
[Abstract](#) | Full Text: [PDF](#)

On the Consensus of Homogeneous Multi-Agent Systems with Positivity Constraints

M. E. Valcher, I. Zorzan
[Abstract](#) | Full Text: [PDF](#)

Service Rate Control of Tandem Queues with Power Constraints

L. Xia, D. Miller, Z. Zhou, N. Bambos
[Abstract](#) | Full Text: [PDF](#)

Homogeneous Rational Lyapunov Functions for Performance Analysis of Switched Systems with Arbitrary Switching and Dwell-Time Constraints

G. Chesi, P. Colaneri
[Abstract](#) | Full Text: [PDF](#)

Analyzing the Stability of Switched Systems Using Common Zeroing-Output Systems

T-C. Lee, Y. Tan, I. Mareels
[Abstract](#) | Full Text: [PDF](#)

A Mean-Field Game of Evacuation in Multi-Level Building

B. Djehiche, A. Tcheukam Siwe, H. Tembine
[Abstract](#) | Full Text: [PDF](#)

An Input-Output Framework for Submanifold Stabilization

J. M. Montenbruck, M. Arcak, F. Allgower
[Abstract](#) | Full Text: [PDF](#)

Under-Approximating Backward Reachable Sets by Semialgebraic Sets

B. Xue, Z. She, A. Easwaran
[Abstract](#) | Full Text: [PDF](#)

Technical Notes and Correspondence

Swarm Aggregation under Fading Attractions

X. Chen
[Abstract](#) | Full Text: [PDF](#)

Visibility-Aware Optimal Contagion of Malware Epidemics

S. Eshghi, S. Sarkar, S. S. Venkatesh
[Abstract](#) | Full Text: [PDF](#)

On the Solution Set of the Admissible Bounded Control Problem via Orthogonal Polynomials

A. E. Choque Rivero
[Abstract](#) | Full Text: [PDF](#)

Adaptive Backstepping Control for a Class of Nonlinear Systems with Non-triangular Structural Uncertainties

J. Cai, C. Wen, H. Su, Z. Liu, L. Xing
[Abstract](#) | Full Text: [PDF](#)

Distributed Continuous-Time Algorithm for Constrained Convex Optimizations via Nonsmooth Analysis Approach

X. Zeng, P. Yi, Y. Hong
[Abstract](#) | Full Text: [PDF](#)

Flocking of the Cucker-Smale Model on General Digraphs

J-G. Dong, L. Qiu
[Abstract](#) | Full Text: [PDF](#)

Backstepping Design of Robust State Feedback Regulators for Linear 2x2 Hyperbolic Systems

J. Deutscher
[Abstract](#) | Full Text: [PDF](#)

On Synchronous and Asynchronous Discrete Time Heterogeneous Cyclic Pursuit

D. Mukherjee, D. Ghose
[Abstract](#) | Full Text: [PDF](#)

Coprime Factors Model Reduction of Spatially Distributed LTV Systems over Arbitrary Graphs

D. Abou Jaoude, M. Farhood
[Abstract](#) | Full Text: [PDF](#)

Non-Autonomous Coverage Control with Diffusive Evolving Density

S. Miah, M. Mohammad Hossein Fallah, D. Spinello
[Abstract](#) | Full Text: [PDF](#)

Sum of Squares Certificates for Stability of Planar, Homogeneous, and Switched Systems

A. A. Ahmadi, P. A. Parrilo
[Abstract](#) | Full Text: [PDF](#)

Ex-post Max-min Fairness of Generalized AGV Mechanisms

T. Wang, Y. Xu, S. Ahipasaoglu, C. Courcoubetis

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

Multi-agent Second Order Average Consensus with Prescribed Transient Behavior

L. Macellari, Y. Karayiannidis, D. V. Dimarogonas

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

Distributed Charging Control of Electric Vehicles Using Online Learning

W-J. Ma, V. Gupta, U. Topcu

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

Fault Detection Over Frequency Region: Generalized Spectral Factorization Approach

J. D. Stefanovski

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

Dynamic Teams and Decentralized Control Problems with Substitutable Actions

S. M. Asghari, A. Nayyar

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

A Descriptor Approach to Robust Leader-Following Output Consensus of Uncertain Multi-Agent Systems with Delay

A. Shariati, M. Tavakoli

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

A Separation Principle for Underactuated Lossless Lagrangian Systems

S. Avila-Becerril, A. Loria, E. Panteley

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

Truncated Predictor Control of Lipschitz Nonlinear Systems with Time-Varying Input Delay

Z. Zuo, Z. Lin, Z. Ding

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

Notes on Stability of Time-Delay Systems: Bounding Inequalities and Augmented Lyapunov-Krasovskii Functionals

C-K. Zhang, Y. He, L. Jiang, M. Wu

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

Convex Distributed Controller Synthesis for Interconnected Heterogeneous Subsystems via Virtual Normal Interconnection Matrices

C. Hoffmann, H. Werner

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

Robust Model Predictive Controller for Tracking Changing Periodic Signals

M. Pereira, D. Munoz de la Pena, D. Limon, I. Alvarado, T. Alamo

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

Some New Results on Sample Path Optimality in Ergodic Control of Diffusions

A. Arapostathis

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

Linearising Discrete Time Hybrid Systems

V. Alimguzhin, F. Mari, I. Melatti, I. Salvo, E. Tronci

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

Event-Triggered Control of Multi-Agent Systems for Fixed and Time-Varying Network Topologies

T-H. Cheng, Z. Kan, J. R. Klotz, J. M. Shea, W. E. Dixon

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

Event-Triggered State Estimation with an Energy Harvesting Sensor

J. Huang, D. Shi, T. Chen

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

Steady-State Matching and Model Reduction for Systems of Differential-Algebraic Equations

G. Scarcioffi

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

Output Reachable Set Estimation for Switched Linear Systems and Its Application in Safety Verification

W. Xiang, D. Tran, T. T. Johnson

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

Consensus with Output Saturations

Y-H. Lim, H-S. Ahn

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

Dynamic Output-Feedback Control for Singular Markovian Jump System: LMI Approach

N. K. Kwon, I. S. Park, P. Park, C. Park

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

Static Output-Feedback Control of Markov Jump Linear Systems without Mode Observation

M. Dolgov, U. D. Hanebeck

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

Second-Order Switching Time Optimization for Switched Dynamical Systems

B. Stellato, S. Ober-Blobaum, P. J. Goulart
[Abstract](#) | Full Text: [PDF](#)

Networked Fusion Estimation with Bounded Noises

B. Chen, D. W. C. Ho, W-A. Zhang, L. Yu
[Abstract](#) | Full Text: [PDF](#)

Iterative Residual Generator for Fault Detection with Linear Time-Invariant State-Space Models

S. Zhao, B. Huang
[Abstract](#) | Full Text: [PDF](#)

Distributed Biased Min-Consensus with Applications to Shortest Path Planning

Y. Zhang, S. Li
[Abstract](#) | Full Text: [PDF](#)

A Unified Framework for Deterministic and Probabilistic D-Stability Analysis of Uncertain Polynomial Matrices

D. Piga, A. Benavoli
[Abstract](#) | Full Text: [PDF](#)

Time Synchronization in WSNs with Random Bounded Communication Delays

Y-P. Tian
[Abstract](#) | Full Text: [PDF](#)

On the Stability Margin of Networked Dynamical Systems

Y. Kim
[Abstract](#) | Full Text: [PDF](#)

Controllability of Multi-agent Networks with Antagonistic Interactions

C. Sun, G. Hu, L. Xie
[Abstract](#) | Full Text: [PDF](#)

Unbiased Minimum Variance Fault and State Estimation for Linear Discrete Time-Varying Two-Dimensional Systems

Y. Wang, D. Zhao, Y. Li, S. X. Ding
[Abstract](#) | Full Text: [PDF](#)

Equivalence of Finite Dimensional Input-Output Models of Solute Transport and Diffusion in Geosciences

A. Rapaport, A. Rojas-Palma, J-R. De Dreuzy, H. Ramirez C.
[Abstract](#) | Full Text: [PDF](#)

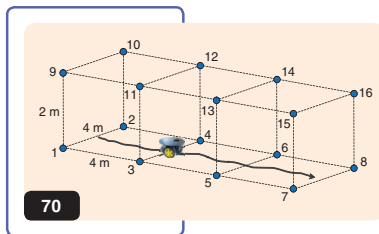
A Numerical Approach to Stability of Multiclass Queueing Networks

H. Leahu, M. Mandjes, A-M. Oprescu
[Abstract](#) | Full Text: [PDF](#)

Delay Robustness of an L1 Adaptive Controller for a Class of Systems with Unknown Matched Nonlinearities

K-D. Nguyen, Y. Li, H. Dankowicz
[Abstract](#) | Full Text: [PDF](#)

» FEATURES



28 Retrospective Cost Adaptive Control

Pole placement, frequency response, and connections with LQG control

YOUSAF RAHMAN, ANTAI XIE, and DENNIS S. BERNSTEIN

70 Unbiased Finite Impulse Response Filtering

An iterative alternative to Kalman filtering ignoring noise and initial conditions

YURIY S. SHMALIY, SHUNYI ZHAO, and CHOON KI AHN

» DEPARTMENTS



3 FROM THE EDITOR

Future Directions in Control

5 ABOUT THIS ISSUE

Estimation and Adaptive Control Algorithms

8 PRESIDENT'S MESSAGE

Control and Sustainability

11 CSS NEWS

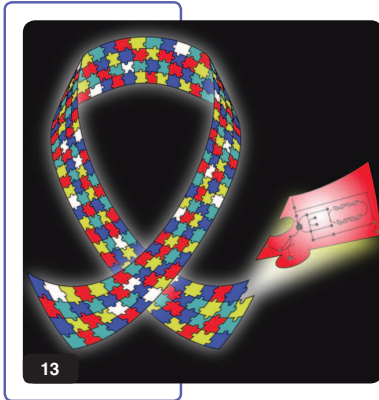
12 25 YEARS AGO

13 TECHNICAL ACTIVITIES

Technical Committee on Automotive Control

Technical Committee on Healthcare and Medical Systems

Cover credit: Harmonic command following for the Duffing oscillator showing the phase portraits of the open-loop limit cycle and the closed-loop response. The open-loop plant approaches the equilibrium and retrospective cost adaptive control asymptotically follows the harmonic command. (Figure courtesy of Yousaf Rahman, Antai Xie, and Dennis S. Bernstein, background image licensed by Ingram Publishing.)



18 PEOPLE IN CONTROL

Yiguang Hong
Graziano Chesi
Paulo Tabuada
Pablo A. Iglesias
Xiaobo Tan

90 BOOKSHELF

Book Announcements

93 CONFERENCE REPORTS

The Ian Petersen 60th Birthday Workshop
International Symposium on Advanced Control of Industrial Processes
The 20th ACM International Conference on Hybrid Systems: Computation and Control

100 OBITUARY

Dr. J. Karl Hedrick

102 CONFERENCE CALENDAR

Cover 3 ON THE LIGHTER SIDE

Pole Locations



**IEEE PERIODICALS
MAGAZINES DEPARTMENT**

445 Hoes Lane, Piscataway,
NJ 08854 USA

Senior Managing Editor
Geraldine Krolin-Taylor

Senior Art Director
Janet Dudar

Associate Art Director
Gail A. Schnitzer

Production Coordinator
Theresa L. Smith

Advertising Production Manager
Felicia Spagnoli

Production Director
Peter M. Tuohy

*Director, Business Development –
Media & Advertising*

Mark David

Editorial Director
Dawn M. Melley

*Staff Director
Publishing Operations*
Fran Zappulla

*IEEE prohibits discrimination, harassment,
and bullying. For more information, visit
[http://www.ieee.org/web/aboutus/whatis/
policies/p9-26.html](http://www.ieee.org/web/aboutus/whatis/policies/p9-26.html).*

MISSION STATEMENT AND SCOPE: As the official means of communication for the IEEE Control Systems Society, *IEEE Control Systems Magazine* publishes interesting, useful, and informative material on all aspects of control system technology for the benefit of control educators, practitioners, and researchers. With this mission statement in mind, *IEEE Control Systems Magazine* encourages submissions, both feature articles and columns, on all aspects of control system technology.

SUBMISSION OF MANUSCRIPTS: A feature article typically provides an in-depth treatment of either an application of control technology, a tutorial on some area of control theory, or an innovation in control education.

IEEE Control Systems Magazine publishes a variety of columns. "Applications of Control" columns are industrially oriented summaries of innovations in control technology. "Focus on Education" typically describes some aspect of education such as novel control experiments. "Lecture Notes" can be theoretical in nature as long as they have clear tutorial value and intent. See recent issues for examples of these and other types of columns. Authors are encouraged to contact the editor-in-chief about the suitability of potential columns.

A detailed Author's Guide, a sample formatted manuscript, and LATEX template can be found at <http://www.ieeeccs.org/publications/csm/submissions>. The specifications in this Guide should be followed by all submissions.

All manuscripts should be submitted electronically to the *IEEE Control Systems Magazine* website, <https://css.paperplaza.net/conferences/scripts/start.pl>, with inquiries on appropriateness of content emailed to jhow@mit.edu.

SPECIAL ISSUES: *IEEE Control Systems Magazine* encourages proposals for special issues. Proposers are encouraged to contact the editor-in-chief to discuss potential topics.

BOOKS AND CONFERENCES: Submit information about recently published books to the associate editor for book reviews. Submit information about past and future conferences to the corresponding editor for conferences.

ADVERTISING: *IEEE Control Systems Magazine* accepts advertising for educational products, books, software, conferences, employment, and control-related technology. For information about advertising, contact Mark David, m.david@ieee.org, +1 732 465 6473.

IEEE CONTROL SYSTEMS MAGAZINE—(ISSN 1066-033X) (ISMAD7) is published bimonthly by The Institute of Electrical and Electronics Engineers, Inc. Headquarters: 3 Park Avenue, 17th Floor, New York, NY 10016-5997, U.S.A. +1 212 419 7900. Responsibility for the contents rests upon the authors and not upon the IEEE, the Society, or its members. The magazine is a membership benefit of the IEEE Control Systems Society, and subscriptions are US\$4.00 per member per year (included in Society fee). Replacement copies for members are available for US\$20.00 (one copy only). Nonmembers can purchase individual copies for US\$103.00. Nonmember subscription prices are available on request. Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limits of the U.S. Copyright law for private use of patrons: 1) those post-1977 articles that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01970, U.S.A.; and 2) pre-1978 articles without fee. For other copying, reprint, or republication permission, write to: Copyrights and Permissions Department, IEEE Service Center, 445 Hoes Lane, Piscataway NJ 08854, U.S.A. Copyright © 2017 by The Institute of Electrical and Electronics Engineers, Inc. All rights reserved. Periodicals postage paid at New York, NY and at additional mailing offices. Postmaster: Send address changes to *IEEE Control Systems Magazine*, IEEE, 445 Hoes Lane, Piscataway, NJ 08854 U.S.A. Canadian GST #125634188 Printed in U.S.A.

IEEE TRANSACTIONS ON CONTROL OF NETWORK SYSTEMS

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



COSPONSORED BY
IEEE CIRCUITS AND SYSTEMS SOCIETY
IEEE COMMUNICATIONS SOCIETY
IEEE COMPUTER SOCIETY
IEEE ROBOTICS AND AUTOMATION SOCIETY



IEEE
COMMUNICATIONS
SOCIETY



IEEE
computer
society



SEPTEMBER 2017

VOLUME 4

NUMBER 3

ITCNAV

(ISSN 2325-5870)

- Controllability of Formations over Directed Time-varying Graphs,
Xudong Chen, Mohamed Ali Belabbas, Tamer Basar
.....p. 407[PDF](#)
- Distributed online convex optimization on time-varying directed graphs,
Mohammad Akbari, Bahman Gharesifard, Tamas Linder
.....p. 417[PDF](#)
- Translational and Scaling Formation Maneuver Control via a Bearing-Based
Approach,
Shiyu Zhao, Daniel Zelazo
.....p. 429[PDF](#)
- Channel-Aware Random Access in the Presence of Channel Estimation Errors,
Jeongho Jeon, Anthony Ephremides
.....p. 439[PDF](#)
- Power Allocation in Mobile Cellular Communication under Multiplicative Noise and
Interference Uncertainty,
Daniel U. Campos-Delgado, Martin Luna-Rivera, Alejandro J. Rojas, Carlos A.
Gutierrez
.....p. 451[PDF](#)

Robust Adaptive Coverage Control for Robotic Sensor Networks , Mac Schwager, Michael P. Vitus, Samantha Powers, Daniela Rus, Claire J. Tomlin	p. 462	PDF
A Gradient-based Coverage Optimization Strategy for Mobile Sensor Networks, Jalal Habibi, Hamid Mahboubi, Amir G. Aghdam	p. 477	PDF
Performance Analysis of Incremental LMS over Flat Fading Channels Azam Khalili, Amir Rastegarnia, Saeid Sanei	p. 489	PDF
Communication-Free Distributed Coverage for Networked Systems, A.Yasin Yazicioglu, Magnus Egerstedt, Jeff S. Shamma	p. 499	PDF
Multi-Dimensional Forward Contracts under Uncertainty for Electricity Markets, Hamidreza Tavafoghi, Demosthenis Teneketzis	p. 511	PDF
Optimal k-Leader Selection for Coherence and Convergence Rate in One- Dimensional Networks, Stacy Patterson, Neil McGlohon, Kirill Dyagilev	p. 523	PDF
A Hybrid Quasi Steady-State Model for Long-Term Stability Analysis of Electric Power Networks: Model Development and Theoretical Basis, Xiaozhe Wang, Hsiao-Dong Chiang	p. 533	PDF
Accelerating Consensus by Spectral Clustering and Polynomial Filters, Simon Apers, Alain Sarlette	p. 544	PDF
Team Decision Problems with Convex Quadratic Constraints, Ather Gattami	p. 555	PDF
Distributed Controllers for Multi-Terminal HVDC Transmission Systems, Martin Andreasson, Dimos V. Dimarogonas, Henrik Sandberg, Karl H. Johansson	p. 564	PDF
A Novel Distributed Network Selection Scheme for Heterogeneous Wireless Network Environments, Li Qiang, Jie Li, Eitan Altman	p. 575	PDF

Delay Scheduled Impulsive Control for Networked Control Systems, Chengzhi Yuan, Fen Wu	p. 587	PDF
Distributed Network Design for Laplacian Eigenvalue Placement, Victor M. Preciado, Michael M. Zavlanos	p. 598	PDF
Constraint preconditioned inexact Newton method for hydraulic simulation of large- scale water distribution networks Edo Abraham, Ivan Stoianov	p.610	PDF
Gramian-based reachability metrics for bilinear networks Yingbo Zhao, Jorge Cortes	p. 620	PDF
SINR-based DoS Attack on Remote State Estimation: A Game-theoretic Approach Yuzhe Li, Daniel E. Quevedo, Subhrakanti Dey, Ling Shi	p. 632	PDF
On the Role of Network Centrality in the Controllability of Complex Networks Nicoletta Bof, Giacomo Baggio, Sandro Zampieri	p. 643	PDF
The Role of Information in Distributed Resource Allocation Jason R. Marden	p. 654	PDF
Competitive Diffusion in Social Networks: Quality or Seeding? Arastoo Fazeli, Amir Ajorlou, Ali Jadbabaie	p. 665	PDF
Corrigendum to "Compositional Transient Stability Analysis of Multi-Machine Power Networks" [TCNS (1) 1, pp. 4-14, March 2014] Sina Y. Caliskan, Paulo Tabuada	p. 676	PDF

UPCOMING IEEE CONFERENCES

2017 IEEE

December 12-15, 2017
Melbourne, Australia

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 (Passed)

August 1, 2017: Final Paper Submission and Registration Open (Passed)

September 20, 2017: Accepted Papers Due (Passed)



American Control Conference

IMPORTANT DATES:

~~September 17, 2017: All Submissions Due (Passed)~~

JUNE 27-29, 2018

MILWAUKEE, WISCONSIN, USA

ACC 2018

<http://acc2018.a2c2.org/>



Important Dates

Paper Submissions Open:
November 1, 2017

Invited Session Proposals Due:
January 15, 2018

Contributed and Invited Papers Due:
January 15, 2018

Acceptance Notice:
April 23, 2018

Final Submissions Due:
-May 21, 2018

CONFERENCE ON TECHNOLOGY AND APPLICATIONS

AUGUST 21-24, 2018
Copenhagen, Denmark

CCTA 2018 will be held at the Scandic Hotel Copenhagen Scandic Copenhagen is located in central Copenhagen, with views of one of the three lakes and the city, and close to the Tivoli Gardens and the pedestrian street, StrÅget. With its leafy parklands and canalside living, Copenhagen is a green and liveable city to visit. Summer jazz and street food markets fill the city during summer months, and there is never far to a sandy beach or harbour bar.

<http://ccta2018.ieeecss.org/>

DECEMBER 17-19, 2018

MIAMI, FLORIDA, USA

conference on decision and control



Important Dates

Paper Submissions Open:
January 4, 2018

Invited Session Proposals Due:
March 10, 2018

**Paper and Workshop Decision
Notification:**
Mid-July 2018

Final Submissions Due:
September 20, 2018

<https://cdc2018.ieeecss.org>