

2021 60th IEEE Conference on Decision and Control (CDC 2021)

**Austin, Texas, USA
14 – 17 December 2021**

Pages 1-667



**IEEE Catalog Number: CFP21CDC-POD
ISBN: 978-1-6654-3660-1**

**Copyright © 2021 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP21CDC-POD
ISBN (Print-On-Demand):	978-1-6654-3660-1
ISBN (Online):	978-1-6654-3659-5
ISSN:	0743-1546

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

APPLICATION OF STATE ESTIMATION METHODS TO LOW-TEMPERATURE PLASMA DYNAMICS.....	1
<i>Christine Greve, Kentaro Hara, Manoranjan Majji</i>	
APPLICATIONS OF GAUSSIAN PROCESS REGRESSION IN THE AERO-THERMO-SERVO-ELASTIC ANALYSIS TOWARDS INTEGRATED HYPERSONIC FLIGHT DYNAMIC ANALYSIS	6
<i>Daning Huang</i>	
SINDY WITH CONTROL: A TUTORIAL.....	16
<i>Urban Fasel, Eurika Kaiser, J. Nathan Kutz, Bingni W. Brunton, Steven L. Brunton</i>	
ADVANCES IN SYSTEM IDENTIFICATION: THEORY AND APPLICATIONS.....	22
<i>Damien Guého, Puneet Singla, Manoranjan Majji, Jer-Nan Juang</i>	
DATA-BASED MODELING AND CONTROL OF DYNAMICAL SYSTEMS: PARAMETER ESTIMATION.....	31
<i>Damien Gueho, Manoranjan Majji, Puneet Singla</i>	
PROGRESSIVE GRAPH PARTITIONING BASED ON INFORMATION DIFFUSION	37
<i>Christos N. Mavridis, John S. Baras</i>	
IMITATION LEARNING FROM INCONCURRENT MULTI-AGENT INTERACTIONS	43
<i>Xin Zhang, Weixiao Huang, Yanhua Li, Renjie Liao, Ziming Zhang</i>	
ADVERSARIAL ATTACKS ON COMPUTATION OF THE MODIFIED POLICY ITERATION METHOD.....	49
<i>Ali Yekkehkhany, Han Feng, Javad Lavaei</i>	
HUMAN-BEHAVIOR LEARNING FOR INFINITE-HORIZON OPTIMAL TRACKING PROBLEMS OF ROBOT MANIPULATORS	57
<i>Adolfo Perrusquía, Wen Yu</i>	
CLIENT SCHEDULING FOR FEDERATED LEARNING OVER WIRELESS NETWORKS: A SUBMODULAR OPTIMIZATION APPROACH	63
<i>Lintao Ye, Vijay Gupta</i>	
A GENERATIVE MACHINE LEARNING APPROACH TO POLICY OPTIMIZATION IN PURSUIT-EVASION GAMES.....	69
<i>Shiva Navabi, Osonde A. Osoba</i>	
DATA-DRIVEN ADAPTIVE OPTIMAL CONTROL OF MIXED-TRAFFIC CONNECTED VEHICLES IN A RING ROAD.....	77
<i>Tong Liu, Leilei Cui, Bo Pang, Zhong-Ping Jiang</i>	
LEARNING-BASED, SAFETY-CONSTRAINED CONTROL FROM SCARCE DATA VIA RECIPROCAL BARRIERS.....	83
<i>Christos K. Verginis, Franck Djeumou, Ufuk Topcu</i>	
LEARNING-BASED ACTUATOR PLACEMENT FOR UNCERTAIN SYSTEMS	90
<i>Filippos Fotiadis, Kyriakos. G. Vamvoudakis</i>	

OPTIMAL CONTROL INVOLVING SWEEPING PROCESSES WITH END POINT CONSTRAINTS	96
<i>Maria do Rosário de Pinho, M. Margarida A. Ferreira, Georgi V. Smirnov</i>	
A ONE-SHOT CONVEX OPTIMIZATION APPROACH TO RISK-AVERSE Q-LEARNING	102
<i>Yuzhen Han, Majid Mazouchi, Subramanya Nagesh Rao, Hamidreza Modares</i>	
FIXED-TIME SEEKING AND TRACKING OF TIME-VARYING EXTREMA.....	108
<i>Jorge I. Poveda, Miroslav Krstić</i>	
NON-CAUSAL REGULARIZED LEAST-SQUARES FOR CONTINUOUS-TIME SYSTEM IDENTIFICATION WITH BAND-LIMITED INPUT EXCITATIONS	114
<i>Rodrigo A. González, Cristian R. Rojas, Håkan Hjalmarsson</i>	
ON THE ERROR RATE FOR CLASSIFYING POINT PROCESSES.....	120
<i>Xinhui Rong, Victor Solo</i>	
COMPARING VECTOR NETWORKS VIA FREQUENCY DOMAIN PERSISTENT HOMOLOGY.....	126
<i>Zuogong Yue, Ben Cassidy, Victor Solo</i>	
NEAR-OPTIMAL RECURSIVE IDENTIFICATION FOR MARKOV SWITCHED SYSTEMS.....	132
<i>Alex Andriën, Duarte J. Antunes</i>	
DESIGN OF INPUT FOR DATA-DRIVEN SIMULATION WITH HANKEL AND PAGE MATRICES.....	139
<i>Andrea Iannelli, Mingzhou Yin, Roy S. Smith</i>	
CONTINUITY PROPERTIES OF VALUE FUNCTIONS IN INFORMATION STRUCTURES FOR STOCHASTIC TEAM PROBLEMS AND ZERO-SUM AND GENERAL GAMES.....	146
<i>Ian Hogeboom-Burr, Serdar Yüksel</i>	
KULLBACK-LEIBLER-QUADRATIC OPTIMAL CONTROL IN A STOCHASTIC ENVIRONMENT.....	152
<i>Neil Cammardella, Ana Bušić, Sean Meyn</i>	
CRITICAL NODES IN GRAPHON MEAN FIELD GAMES	160
<i>Rinel Foguen Tchuendom, Peter E. Caines, Minyi Huang</i>	
LINEAR QUADRATIC MEAN FIELD STACKELBERG GAMES: MASTER EQUATIONS AND TIME CONSISTENT FEEDBACK STRATEGIES.....	165
<i>Xuwei Yang, Minyi Huang</i>	
PRIVATE INFORMATION COMPRESSION IN DYNAMIC GAMES AMONG TEAMS	171
<i>Dengwang Tang, Hamidreza Tavaafoghi, Vijay Subramanian, Ashutosh Nayyar, Demosthenis Teneketzis</i>	
VANISHING VISCOSITY FOR LINEAR-QUADRATIC MEAN-FIELD CONTROL PROBLEMS.....	179
<i>Gennaro Ciampa, Francesco Rossi</i>	
DISTRIBUTED NASH EQUILIBRIUM SEEKING RESILIENT TO ADVERSARIES	185
<i>Dian Gadjov, Lactra Pavel</i>	
A RELAXED-INERTIAL FORWARD-BACKWARD-FORWARD ALGORITHM FOR STOCHASTIC GENERALIZED NASH EQUILIBRIUM SEEKING.....	191
<i>Shisheng Cui, Barbara Franci, Sergio Grammatico, Uday V. Shanbhag, Mathias Staudigl</i>	

APPOINTED-TIME DISTRIBUTED NASH EQUILIBRIUM SEEKING FOR NETWORKED GAMES	197
<i>Jialing Zhou, Yuezuo Lv, Maojiao Ye</i>	
ADVERSARIAL LINEAR-QUADRATIC MEAN-FIELD GAMES OVER MULTIGRAPHS	203
<i>Muhammad Aneeq Uz Zaman, Sujay Bhatt, Tamer Başar</i>	
DISTRIBUTED GENERALIZED NASH EQUILIBRIUM SEEKING OF N-COALITION GAMES WITH INEQUALITY CONSTRAINTS	209
<i>Chao Sun, Guoqiang Hu</i>	
FORWARD-BACKWARD ALGORITHMS FOR STOCHASTIC NASH EQUILIBRIUM SEEKING IN RESTRICTED STRONGLY AND STRICTLY MONOTONE GAMES	215
<i>Barbara Franci, Sergio Grammatico</i>	
TVOPT: A PYTHON FRAMEWORK FOR TIME-VARYING OPTIMIZATION	221
<i>Nicola Bastianello</i>	
VARIATIONAL SYMPLECTIC ACCELERATED OPTIMIZATION ON LIE GROUPS	227
<i>Taeyoung Lee, Molei Tao, Melvin Leok</i>	
MULTI-AGENT TRAJECTORY OPTIMIZATION AGAINST PLAN-DEVIATION ATTACKS USING CO-OBSERVATIONS AND REACHABILITY CONSTRAINTS	235
<i>Ziqi Yang, Roberto Tron</i>	
LINEARLY CONVERGENT DISTRIBUTED OPTIMIZATION METHODS WITH COMPRESSED INNOVATION	242
<i>Jiaqi Zhang, Keyou You</i>	
ON THE CONVERGENCE OF NEAR-DGD FOR NONCONVEX OPTIMIZATION WITH SECOND ORDER GUARANTEES	247
<i>Charikleia Iakovidou, Ermin Wei</i>	
LIMITED INFORMATION MODEL PREDICTIVE CONTROL FOR PURSUIT-EVASION GAMES	253
<i>Mukhtar Sani, Bogdan Robu, Ahmad Hably</i>	
ACTIVE CELL BALANCING BY MODEL PREDICTIVE CONTROL FOR REAL TIME RANGE EXTENSION	259
<i>Jun Chen, Aman Behal, Chong Li</i>	
SET-VALUED MODEL PREDICTIVE CONTROL	265
<i>Nathalie Rizzo, Berk Altin, Ricardo G. Sanfelice, Jonathan Sprinkle</i>	
BACKUP PLAN CONSTRAINED MODEL PREDICTIVE CONTROL	271
<i>Hunmin Kim, Hyungjin Yoon, Wenbin Wan, Naira Hovakimyan, Lui Sha, Petros Voulgaris</i>	
CONSTRAINED NEURAL NETWORKS FOR APPROXIMATE NONLINEAR MODEL PREDICTIVE CONTROL	277
<i>Saket Adhau, Vihangkumar V. Naik, Sigurd Skogestad</i>	
COMPOSITIONAL VERIFICATION OF FINITE AUTOMATA UNDER EVENT PREEMPTION	283
<i>Yiheng Tang, Thomas Moor</i>	

DISTRIBUTED SENSING AND INFORMATION TRANSMISSION OF DISCRETE-EVENT SYSTEMS WITH EDGE SENSORS.....	291
<i>Yingying Liu, Xiang Yin, Shaoyuan Li</i>	
MODELING AND ANALYSIS OF NETWORKED SUPERVISORY CONTROL SYSTEMS WITH MULTIPLE CONTROL CHANNELS.....	298
<i>Zhaocong Liu, Junyao Hou, Xiang Yin, Shaoyuan Li</i>	
A GAME-THEORETICAL APPROACH FOR OPTIMAL SUPERVISORY CONTROL OF DISCRETE EVENT SYSTEMS FOR CYCLIC TASKS	306
<i>Peng Lv, Xiang Yin, Yiding Ji, Shaoyuan Li</i>	
ENFORCEMENT OF K-STEP OPACITY WITH EDIT FUNCTIONS	313
<i>Andrew Wintenber, Matthew Blischke, Stéphane Lafortune, Necmiye Ozay</i>	
N-STEP NONBLOCKING SUPERVISORY CONTROL OF DISCRETE-EVENT SYSTEMS	321
<i>Renyuan Zhang, Zenghui Wang, Kai Cai</i>	
A NOTE ON NUSSBAUM-TYPE CONTROL AND LIE-BRACKET APPROXIMATION	327
<i>Marc Weber, Christian Ebenbauer, Bahman Ghahsifard</i>	
CONTINUOUS-TIME EXTREMUM SEEKING FOR SCALAR SYSTEMS VIA A TIME-DELAY APPROACH TO AVERAGING*	334
<i>Yang Zhu, Emilia Fridman</i>	
CLOSED-LOOP DEEP NEURAL NETWORK-BASED FES CONTROL FOR HUMAN LIMB TRACKING	342
<i>Emily J. Griffiths, Duc M. Le, Kimberly J. Stubbs, Warren E. Dixon</i>	
WASSERSTEIN CONTRACTION BOUNDS ON CLOSED CONVEX DOMAINS WITH APPLICATIONS TO STOCHASTIC ADAPTIVE CONTROL	348
<i>Tyler Lekang, Andrew Lamperski</i>	
ADAPTIVE BACKSTEPPING ATTITUDE CONTROL OF A RIGID BODY WITH STATE QUANTIZATION.....	354
<i>Siri Marte Schlanbusch, Jing Zhou, Rune Schlanbusch</i>	
ASPR-BASED ADAPTIVE FEEDBACK CONTROL WITH ADAPTIVE PFC AND FF INPUT BASED ON RBF NN FOR UNSTABLE SYSTEMS.....	360
<i>Kota Akaike, Ikuro Mizumoto</i>	
INFINITE-HORIZON RISK-CONSTRAINED LINEAR QUADRATIC REGULATOR WITH AVERAGE COST.....	366
<i>Feiran Zhao, Keyou You, Tamer Başar</i>	
WILLEMS' FUNDAMENTAL LEMMA BASED ON SECOND-ORDER MOMENTS	372
<i>Mina Ferizbegovic, Håkan Hjalmarsson, Per Mattsson, Thomas B. Schön</i>	
POLE-PLACEMENT FOR NON-OVERSHOOTING REFERENCE TRACKING.....	378
<i>Hamed Taghavian, Ross Drummond, Mikael Johansson</i>	
ACCURATE APPROXIMATE REGULATION OF NONLINEAR DELAY DIFFERENTIAL CONTROL SYSTEMS	386
<i>E. Aulisa, J. A. Burns, D. S. Gilliam, S. Paruchuri</i>	

ROBUST CONTROL OF PDES WITH DISTURBANCES USING MOBILE ACTUATORS CONSTRAINED OVER TIME-VARYING REACHABILITY SETS	392
<i>Michael A. Demetriou, Orest V. Iftime, Sergiy Zhuk</i>	
SAMPLED-DATA BOUNDARY CONTROL OF A CLASS OF REACTION-DIFFUSION PDES WITH COLLOCATED SENSING AND ACTUATION.....	398
<i>Bhathiya Rathnayake, Mamadou Diagne, Iasson Karafyllis</i>	
ADAPTIVE CONTROL OF COUPLED HYPERBOLIC PDES WITH PIECEWISE-CONSTANT INPUTS AND IDENTIFICATION.....	406
<i>Ji Wang, Miroslav Krstic</i>	
STABILIZATION FOR A SEMILINEAR HEAT EQUATION WITH SWITCHING CONTROL.....	412
<i>Wen Kang, Emilia Fridman, Chuan-Xin Liu</i>	
MINIMUM SAFETY FACTOR CONTROL IN TOKAMAKS VIA OPTIMAL ALLOCATION OF SPATIALLY MOVING ELECTRON CYCLOTRON CURRENT DRIVE*	418
<i>Sai Tej Paruchuri, Andres Pajares, Eugenio Schuster</i>	
A DISTRIBUTED FRAMEWORK FOR LINEAR ADAPTIVE MPC.....	424
<i>Anilkumar Parsi, Ahmed Aboudonia, Andrea Iannelli, John Lygeros, Roy S. Smith</i>	
DATA-DRIVEN OUTPUT SYNCHRONIZATION OF HETEROGENEOUS LEADER- FOLLOWER MULTI-AGENT SYSTEMS*	430
<i>Junjie Jiao, Henk J. van Waarde, Harry L. Trentelman, M. Kanat Camlibel, Sandra Hirche</i>	
A FINITE-TIME DISTRIBUTED PROTOCOL FOR LINK PREDICTION IN NETWORKED MULTI-AGENT SYSTEMS.....	436
<i>Martina Lippi, Matteo Santilli, Gabriele Oliva, Andrea Gasparri</i>	
EVENT-TRIGGERED DISTRIBUTED STABILIZATION OF INTERCONNECTED MULTIAGENT SYSTEMS WITH ABNORMAL AGENT AND CONTROL LAYERS.....	442
<i>Vahid Rezaei</i>	
COLLABORATIVE GUIDANCE OF UAV-TRANSPORTED SEMI-FLEXIBLE PAYLOADS IN ENVIRONMENTS WITH OBSTACLES	448
<i>Aditya Hegde, Debasish Ghose</i>	
BREADTH-FIRST COUPLED SENSOR CONFIGURATION AND PATH-PLANNING IN UNKNOWN ENVIRONMENTS.....	454
<i>Chase St. Laurent, Raghvendra V. Cowlagi</i>	
AN IMPROVED DISTRIBUTED CONSENSUS KALMAN FILTER DESIGN APPROACH.....	460
<i>Aviv Priel, Daniel Zelazo</i>	
A NEW L-STEP NEIGHBOURHOOD DISTRIBUTED MOVING HORIZON ESTIMATOR	466
<i>Antonello Venturino, Sylvain Bertrand, Cristina Stoica Maniu, Teodoro Alamo, Eduardo F. Camacho</i>	
OPTIMIZATION IN OPEN NETWORKS VIA DUAL AVERAGING	472
<i>Yu-Guan Hsieh, Franck Iutzeler, Jérôme Malick, Panayotis Mertikopoulos</i>	
DYNAMIC COVERAGE MEETS REGRET: UNIFYING TWO CONTROL PERFORMANCE MEASURES FOR MOBILE AGENTS IN SPATIOTEMPORALLY VARYING ENVIRONMENTS	479
<i>Ben Haydon, Kirti D. Mishra, Patrick Keyantuo, Dimitra Panagou, Fotini Chow, Scott Moura, Chris Vermillion</i>	

LEADER-FOLLOWING EVENT-TRIGGERED PRACTICAL CONSENSUS WITH DISTURBANCE REJECTION OF MULTIPLE UNCERTAIN SPACECRAFT SYSTEMS OVER SWITCHING NETWORKS	485
<i>Tianqi Wang, Jie Huang</i>	
DYNAMIC SELF-TRIGGERED CONTROL FOR NONLINEAR SYSTEMS BASED ON HYBRID LYAPUNOV FUNCTIONS.....	491
<i>Michael Hertneck, Frank Allgöwer</i>	
EVENT-TRIGGERED SAFETY-CRITICAL CONTROL FOR SYSTEMS WITH UNKNOWN DYNAMICS.....	498
<i>Wei Xiao, Calin Belta, Christos G. Cassandras</i>	
EVENT-TRIGGERED OBSERVER DESIGN FOR LINEAR SYSTEMS.....	504
<i>E. Petri, R. Postoyan, D. Astolfi, D. Nešić, W. P. M. H. Heemels</i>	
EVENT-TRIGGERED CONTROL FOR SYSTEMS WITH STATE DELAYS USING A POSITIVE SYSTEMS APPROACH	510
<i>Frédéric Mazenc, Michael Malisoff, Corina Barbalata, Zhong-Ping Jiang</i>	
EVENT-TRIGGERED STATE ESTIMATION WITH MULTIPLE NOISY SENSOR NODES	516
<i>K. J. A. Scheres, M. S. T. Chong, R. Postoyan, W. P. M. H. Heemels</i>	
LEVERAGING CLASSIFICATION METRICS FOR QUANTITATIVE SYSTEM-LEVEL ANALYSIS WITH TEMPORAL LOGIC SPECIFICATIONS.....	522
<i>Apurva Badithela, Tichakorn Wongpiromsarn, Richard M. Murray</i>	
TIME-ROBUST CONTROL FOR STL SPECIFICATIONS	530
<i>Alëna Rodionova, Lars Lindemann, Manfred Morari, George J. Pappas</i>	
ZONOTOPE-BASED CONTROLLER SYNTHESIS FOR LTL SPECIFICATIONS	538
<i>Wei Ren, Julien Calbert, Raphaël Jungers</i>	
QUALITATIVE PLANNING IN IMPERFECT INFORMATION GAMES WITH ACTIVE SENSING AND REACTIVE SENSOR ATTACKS: COST OF UNAWARENESS	544
<i>Abhishek N. Kulkarni, Shuo Han, Nandi O. Leslie, Charles A. Kamhoua, Jie Fu</i>	
ALTERNATING SIMULATION ON HIERARCHICAL ABSTRACTIONS	551
<i>Julien Calbert, Benoît Legat, Lucas N. Egidio, Raphaël Jungers</i>	
SYMBOLIC ABSTRACTIONS FROM DATA: A PAC LEARNING APPROACH.....	557
<i>Alex Devonport, Adnane Saoud, Murat Arcak</i>	
ERROR ANALYSIS OF ROTATING WAVE APPROXIMATION IN CONTROL OF SPINS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY	563
<i>Sambeda Sarkar, Pradyumna Paruchuri, Navin Khaneja</i>	
ACCOMMODATION OF PULSED FIELD GRADIENTS WITH CASCADE FIELD REGULATION IN POWERED MAGNETS.....	569
<i>Benjamin D. McPheron, Jeffrey L. Schiano, Ilya M. Litvak, William W. Brey</i>	
MICRO-SCALE CHIPLET ASSEMBLY CONTROL WITH CHIPLET-TO-CHIPLET POTENTIAL INTERACTION	575
<i>Ion Matei, Anne Plochowietz, Johan de Kleer, John S. Baras</i>	

ROBUST POSITION CONTROL FOR HIGH SLIP RISK TRICYCLE ROBOTS WITH REAL-CODED GENETIC ALGORITHMS	581
<i>Monica Pătrașcu, Viorel Gheorghe</i>	
VEHICLE ROLLOVER AVOIDANCE BY PARAMETER-ADAPTIVE REFERENCE GOVERNOR.....	587
<i>Karl Berntorp, Ankush Chakrabarty, Stefano Di Cairano</i>	
ADAPTIVE INTERNAL MODELS IN THE OPTOKINETIC SYSTEM	593
<i>Erin Battle, Mireille E. Broucke</i>	
NEURON GROWTH CONTROL BY PDE BACKSTEPPING: AXON LENGTH REGULATION BY TUBULIN FLUX ACTUATION IN SOMA.....	601
<i>Cenk Demir, Shumon Koga, Miroslav Krstic</i>	
MODULATION OF STOCHASTIC GENE EXPRESSION BY NUCLEAR EXPORT PROCESSES	607
<i>Madeline Smith, Mohammad Soltani, Rahul Kulkarni, Abhyudai Singh</i>	
BLOOD GLUCOSE REGULATION IN PATIENTS WITH TYPE 1 DIABETES MELLITUS: A ROBUST MRAC APPROACH	613
<i>Roberto Franco, Héctor Ríos, Alejandra Ferreira de Loza, Denis Efimov, Louis Cassany, David Gucik-Derigny, Jérôme Cieslak, David Henry</i>	
HIERARCHICAL MPC APPLIED TO BACTERIAL RESOURCE ALLOCATION AND METABOLITE SYNTHESIS	619
<i>Agustín Gabriel Yabo, Jean-Baptiste Caillaud, Jean-Luc Gouzé</i>	
ANALYSIS OF AN EXTREMUM SEEKING CONTROLLER UNDER BOUNDED DISTURBANCE.....	625
<i>Samuel C. Pinto, Sean B. Andersson</i>	
SWING UP CONTROL OF A SOFT INVERTED PENDULUM WITH REVOLUTE BASE.....	631
<i>Lasitha Weerakoon, Nikhil Chopra</i>	
ROBUST DISTURBANCE REJECTION FOR ROBOTIC BIPEDAL WALKING: SYSTEM-LEVEL-SYNTHESIS WITH STEP-TO-STEP DYNAMICS APPROXIMATION.....	637
<i>Xiaobin Xiong, Yuxiao Chen, Aaron D. Ames</i>	
ESTIMATE-TO-STATE STABILITY FOR HYBRID HUMAN-PROSTHESIS SYSTEMS	645
<i>Rachel Gehlhar, Aaron D. Ames</i>	
OPTIMIZATION-FREE GROUND CONTACT FORCE CONSTRAINT SATISFACTION IN QUADRUPEDAL LOCOMOTION	653
<i>Eric Sihite, Pravin Dangol, Alireza Ramezani</i>	
THOMPSON SAMPLING FOR LINEAR QUADRATIC MEAN-FIELD TEAMS	660
<i>Mukul Gagrani, Sagar Sudhakara, Aditya Mahajan, Ashutosh Nayyar, Yi Ouyang</i>	
ANYTIME PROXIMITY MOVING HORIZON ESTIMATION: STABILITY AND REGRET FOR NONLINEAR SYSTEMS	668
<i>Meriem Gharbi, Bahman Gharesifard, Christian Ebenbauer</i>	
ON DIRECT VS INDIRECT DATA-DRIVEN PREDICTIVE CONTROL.....	676
<i>Vishaal Krishnan, Fabio Pasqualetti</i>	

ON THE STABILITY OF NONLINEAR RECEDING HORIZON CONTROL: A GEOMETRIC PERSPECTIVE	682
<i>Tyler Westenbroek, Max Simchowitz, Michael I. Jordan, S. Shankar Sastry</i>	
ASSURED LEARNING-BASED OPTIMAL CONTROL SUBJECT TO TIMED TEMPORAL LOGIC CONSTRAINTS	690
<i>Filippos Fotiadis, Christos K. Verginis, Kyriakos G. Vamvoudakis, Ufuk Topcu</i>	
MODEL LEARNING PREDICTIVE CONTROL IN NONLINEAR DYNAMICAL SYSTEMS	697
<i>Sahin Lale, Kamyar Azzadenesheli, Babak Hassibi, Anima Anandkumar</i>	
ROBUST ADVERSARIAL CLASSIFICATION VIA ABSTAINING.....	703
<i>Abed AlRahman Al Makdah, Vaibhav Katewa, Fabio Pasqualetti</i>	
FEDERATED LEARNING WITH INCREMENTALLY AGGREGATED GRADIENTS.....	709
<i>Aritra Mitra, Rayana Jaafar, George J. Pappas, Hamed Hassani</i>	
ROBUST LEARNING OF RECURRENT NEURAL NETWORKS IN PRESENCE OF EXOGENOUS NOISE.....	717
<i>Arash Amini, Guangyi Liu, Nader Motee</i>	
LEARNING A STABILITY FILTER FOR UNCERTAIN DIFFERENTIALLY FLAT SYSTEMS USING GAUSSIAN PROCESSES.....	723
<i>Melissa Greeff, Adam W. Hall, Angela P. Schoellig</i>	
A VARIATIONAL INEQUALITY APPROACH TO BAYESIAN REGRESSION GAMES.....	729
<i>Wenshuo Guo, Michael. I. Jordan, Tianyi Lin</i>	
INVERSE REINFORCEMENT LEARNING FOR MULTI-PLAYER APPRENTICE GAMES IN CONTINUOUS-TIME NONLINEAR SYSTEMS	737
<i>Bosen Lian, Wenqian Xue, Frank L. Lewis, Tianyou Chai, Ali Davoudi</i>	
ADAPTIVE MODEL PREDICTIVE SAFETY CERTIFICATION FOR LEARNING-BASED CONTROL	743
<i>Alexandre Didier, Kim P. Wabersich, Melanie N. Zeilinger</i>	
LEARNING LOCAL MODULES IN DYNAMIC NETWORKS WITHOUT PRIOR TOPOLOGY INFORMATION	750
<i>Venkatakrishnan C. Rajagopal, Karthik R. Ramaswamy, Paul M. J. Van Den Hof</i>	
PARSIMONIOUS SYSTEM IDENTIFICATION FROM QUANTIZED OBSERVATIONS	756
<i>Omar M. Sleem, Constantino M. Lagoa</i>	
OPTIMAL OBSERVATIONS FOR IDENTIFICATION OF A SINGLE TRANSFER FUNCTION IN ACYCLIC NETWORKS	762
<i>Sina Jahandari, Donatello Materassi</i>	
A SWITCHED NONLINEAR SYSTEM IDENTIFICATION METHOD WITH SWITCHING LOCATION REFINEMENT	768
<i>Miao Yu, Federico Bianchi, Luigi Piroddi</i>	
REGULARIZED IDENTIFICATION OF FAST TIME-VARYING SYSTEMS - COMPARISON OF TWO REGULARIZATION STRATEGIES	774
<i>Artur Gańcza, Maciej Niedźwiecki</i>	
INTERVAL PREDICTOR MODELS FOR ROBUST SYSTEM IDENTIFICATION*	782
<i>Luis G. Crespo, Sean P. Kenny, Brendon K. Colbert, Tanner Slagel</i>	

STOCHASTIC EXPONENTIAL STABILITY OF NONLINEAR STOCHASTIC MODEL PREDICTIVE CONTROL	790
<i>Robert D. McAllister, James B. Rawlings</i>	
ON THE TIME DISCRETIZATION OF THE FEYNMAN-KAC FORWARD-BACKWARD STOCHASTIC DIFFERENTIAL EQUATIONS FOR VALUE FUNCTION APPROXIMATION.....	796
<i>Kelsey P. Hawkins, Ali Pakniyat, Panagiotis Tsiotras</i>	
A CONVEX OPTIMIZATION APPROACH TO CHANCE-CONSTRAINED LINEAR STOCHASTIC DRIFT COUNTERACTION OPTIMAL CONTROL.....	802
<i>Sunbochen Tang, Nan Li, Ilya Kolmanovsky, Robert Zidek</i>	
STOCHASTIC OPTIMAL CONTROL VIA HILBERT SPACE EMBEDDINGS OF DISTRIBUTIONS.....	808
<i>Adam J. Thorpe, Meeko M. K. Oishi</i>	
FORWARD-BACKWARD RAPIDLY-EXPLORING RANDOM TREES FOR STOCHASTIC OPTIMAL CONTROL	816
<i>Kelsey P. Hawkins, Ali Pakniyat, Evangelos Theodorou, Panagiotis Tsiotras</i>	
CONSISTENT CONTROL OF A STACKELBERG GAME WITH INFINITELY MANY FOLLOWERS.....	822
<i>Michael Herty, Anna Thüinen</i>	
NO-REGRET DISTRIBUTED LEARNING IN TWO-NETWORK ZERO-SUM GAMES.....	828
<i>Shijie Huang, Jinlong Lei, Yiguang Hong, Uday V. Shanbhag</i>	
EQUILIBRIUM TRACKING AND CONVERGENCE IN DYNAMIC GAMES.....	834
<i>Panayotis Mertikopoulos, Mathias Staudigl</i>	
NO-REGRET LEARNING FOR REPEATED CONCAVE GAMES WITH LOSSY BANDITS.....	840
<i>Wenting Liu, Jinlong Lei, Peng Yi</i>	
ADAPTIVE INTERVENTIONS FOR SOCIAL WELFARE MAXIMIZATION IN NETWORK GAMES.....	846
<i>Mehran Shakarami, Ashish Cherukuri, Nima Monshizadeh</i>	
SECOND-ORDER MIRROR DESCENT: EXACT CONVERGENCE BEYOND STRICTLY STABLE EQUILIBRIA IN CONCAVE GAMES.....	852
<i>Bolin Gao, Lacra Pavel</i>	
STRUCTURED PROJECTION-FREE ONLINE CONVEX OPTIMIZATION WITH MULTI- POINT BANDIT FEEDBACK	858
<i>Yuhao Ding, Javad Lavaei</i>	
PARALLEL ALTERNATING DIRECTION PRIMAL-DUAL (PADPD) ALGORITHM FOR CENTRALIZED OPTIMIZATION	866
<i>S. Sh. Alaviani, A. G. Kelkar</i>	
HOMOGENEOUS FORMULATION OF CONVEX QUADRATIC PROGRAMS FOR INFEASIBILITY DETECTION	872
<i>Arvind U Raghunathan</i>	
ON ROBUSTNESS OF THE NORMALIZED RANDOM BLOCK COORDINATE METHOD FOR NON-CONVEX OPTIMIZATION	878
<i>Berkay Turan, César A. Uribe, Hoi-To Wai, Mahnoosh Alizadeh</i>	

INNER APPROXIMATIONS OF THE POSITIVE-SEMIDEFINITE CONE VIA GRASSMANNIAN PACKINGS	885
<i>Tianqi Zheng, James Guthrie, Enrique Mallada</i>	
SEQUENTIAL QUADRATIC PROGRAMMING ALGORITHM FOR REAL-TIME MIXED-INTEGER NONLINEAR MPC	891
<i>Rien Quirynen, Stefano Di Cairano</i>	
GRADIENT-BASED NONLINEAR MODEL PREDICTIVE CONTROL FOR SYSTEMS WITH STATE-DEPENDENT MASS MATRIX	898
<i>Andreas Völz, Knut Graichen</i>	
MODEL PREDICTIVE INTERACTION CONTROL FOR FORCE CLOSURE GRASPING.....	904
<i>Tobias Gold, Martin Rohrmuller, Andreas Volz, Knut Graichen</i>	
FORCE-AND-MOMENT-BASED MODEL PREDICTIVE CONTROL FOR ACHIEVING HIGHLY DYNAMIC LOCOMOTION ON BIPEDAL ROBOTS.....	910
<i>Junheng Li, Quan Nguyen</i>	
EVENT-TRIGGERED EXPONENTIAL OUTPUT SYNCHRONIZATION OF HETEROGENEOUS MULTI-AGENT SYSTEMS OVER DIRECTED SWITCHING NETWORKS.....	917
<i>Yi Cheng, V. Ugrinovskii</i>	
STATE ESTIMATION OF DISCRETE-EVENT SYSTEMS SUBJECT TO INTERMITTENT AND PERMANENT LOSS OF OBSERVATIONS.....	922
<i>Yin Tong, Jiatao Luo, Carla Seatzu</i>	
SUPERVISORY CONTROL FOR STABILIZATION UNDER MULTIPLE LOCAL AVERAGE PAYOFF CONSTRAINTS	928
<i>Yiding Ji, Xiang Yin, Wei Xiao</i>	
A VISUALIZATION OF INFERENCE-BASED SUPERVISORY CONTROL IN DISCRETE-EVENT SYSTEMS.....	936
<i>Richard Ean, Karen Rudie</i>	
MODEL REFERENCE ADAPTIVE CONTROL WITH LINEAR-LIKE CLOSED-LOOP BEHAVIOR	943
<i>Mohamad T. Shahab, Daniel E. Miller</i>	
STOCHASTIC DEEP MODEL REFERENCE ADAPTIVE CONTROL	949
<i>Girish Joshi, Girish Chowdhary, Bart van Bloemen Waanders</i>	
IDENTIFICATION-BASED ADAPTIVE CONTROL FOR SYSTEMS WITH TIME-VARYING PARAMETERS.....	957
<i>Kaiwen Chen, Alessandro Astolfi</i>	
CONSTRUCTING CONTINUOUS MULTI-BEHAVIORAL PLANAR SYSTEMS THROUGH MOTIVATION DYNAMICS AND BIFURCATIONS.....	963
<i>Kleio Baxevani, Herbert G. Tanner</i>	
GLOBALLY STABLE ADAPTIVE NEURAL NETWORK TRACKING CONTROL FOR UNCERTAIN OUTPUT-FEEDBACK SYSTEMS WITH PRIOR TRACKING ACCURACY.....	969
<i>Zhengqiang Zhang, Qiufeng Wang</i>	

MEASURING LTI SYSTEM RESILIENCE AGAINST ADVERSARIAL DISTURBANCES BASED ON EFFICIENT GENERALIZED EIGENVALUE COMPUTATIONS	974
<i>Johannes Börner, Florian Steinke</i>	
AUTOMATON-BASED IMPLICIT CONTROLLED INVARIANT SET COMPUTATION FOR DISCRETE-TIME LINEAR SYSTEMS	980
<i>Zexiang Liu, Tzani Anevlavis, Necmiye Ozay, Paulo Tabuada</i>	
ON THE LACK OF GRADIENT DOMINATION FOR LINEAR QUADRATIC GAUSSIAN PROBLEMS WITH INCOMPLETE STATE INFORMATION	988
<i>Hesameddin Mohammadi, Mahdi Soltanolkotabi, Mihailo R. Jovanović</i>	
A NOTE ON REALIZATION THEORY	993
<i>L. H. Keel, S. P. Bhattacharyya</i>	
ON THE CRITICALITY OF THE MODEL PARAMETRISATION METHOD IN INDUSTRIAL AUTOTUNING CONTROLLERS	999
<i>Silvano Seva, Chiara Cimino, Alberto Leva</i>	
OBSERVER DESIGN IN INFINITE-DIMENSIONAL SETTING USING DELAYED MEASUREMENTS	1005
<i>Yury Orlov</i>	
NONLINEAR OBSERVER DESIGN FOR A 1D HEAT CONDUCTION PROCESS	1011
<i>A. Schaum, S. Koch, M. Reichhartinger, T. Meurer, J. A. Moreno, M. Horn</i>	
FINITE DIMENSIONAL FUNCTIONAL OBSERVER DESIGN FOR PARABOLIC SYSTEMS	1017
<i>Michael A. Demetriou, Weiwei Hu</i>	
TRANSIENT AND ASYMPTOTIC PROPERTIES OF ROBUST ADAPTIVE CONTROLLERS IN THE PRESENCE OF NON-COERCIVE LYAPUNOV FUNCTIONS	1023
<i>Aditya A. Paranjape, Vivek Natarajan, Supratim Ghosh</i>	
NASH EQUILIBRIUM SEEKING IN HETEROGENEOUS NONCOOPERATIVE GAMES WITH PLAYERS ACTING THROUGH HEAT PDE DYNAMICS AND DELAYS	1029
<i>Tiago Roux Oliveira, Victor Hugo Pereira Rodrigues, Miroslav Krstić, Tamer Başar</i>	
CONVERGENCE ANALYSIS OF NONCONVEX DISTRIBUTED STOCHASTIC ZERO- ORDER COORDINATE METHOD.....	1036
<i>Shengjun Zhang, Yunlong Dong, Dong Xie, Lisha Yao, Colleen P. Bailey, Shengli Fu</i>	
EXPONENTIALLY CONVERGING DISTRIBUTED GRADIENT DESCENT WITH INTERMITTENT COMMUNICATION VIA HYBRID METHODS.....	1042
<i>Katherine R. Hendrickson, Dawn M. Hustig-Schultz, Matthew T. Hale, Ricardo G. Sanfelice</i>	
EVENT-TRIGGERED DISTRIBUTED MODEL PREDICTIVE CONTROL FOR PLATOON COORDINATION AT HUBS IN A TRANSPORT SYSTEM.....	1048
<i>Ting Bai, Alexander Johansson, Karl Henrik Johansson, Jonas Mårtensson</i>	
TIME-INVERTED KURAMOTO DYNAMICS FOR K-CLUSTERED CIRCLE COVERAGE	1055
<i>Manuel Boldrer, Francesco Riz, Fabio Pasqualetti, Luigi Palopoli, Daniele Fontanelli</i>	
A HYBRID DISTRIBUTED STRATEGY FOR ROBUST GLOBAL PHASE SYNCHRONIZATION OF SECOND-ORDER KURAMOTO OSCILLATORS	1062
<i>Alessandro Bosso, Ilario A. Azzollini, Simone Baldi, Luca Zaccarian</i>	

TOPOLOGY INFERENCE FOR NETWORKED DYNAMICAL SYSTEMS: A CAUSALITY AND CORRELATION PERSPECTIVE	1068
<i>Yushan Li, Jianping He</i>	
LOCALIZATION OF PARTIALLY HIDDEN TARGETS USING A FLEET OF UAVS VIA ROBUST BOUNDED-ERROR ESTIMATION	1074
<i>Julius Ibenthal, Luc Meyer, H�el�ene Piet-Lahanier, Michel Kieffer</i>	
AN EXTREMUM SEEKING ALGORITHM FOR MONOTONE NASH EQUILIBRIUM PROBLEMS	1082
<i>Suad Krila�evi�c, Sergio Grammatico</i>	
MULTI-AGENT MAXIMIZATION OF A MONOTONE SUBMODULAR FUNCTION VIA MAXIMUM CONSENSUS	1088
<i>Navid Rezaazadeh, Solmaz S. Kia</i>	
MODELING LARGE-SCALE ADVERSARIAL SWARM ENGAGEMENTS USING OPTIMAL CONTROL	1094
<i>Theodoros Tsatsanifos, Abram H. Clark, Claire Walton, Isaac Kaminer, Qi Gong</i>	
TOWARDS RESILIENCE FOR MULTI-AGENT QD-LEARNING	1100
<i>Yijing Xie, Shaoshuai Mou, Shreyas Sundaram</i>	
EVENT-TRIGGERED L2-OPTIMAL FORMATION CONTROL FOR AGENTS MODELED AS LPV SYSTEMS	1106
<i>Hamideh Saadabadi, Herbert Werner</i>	
TEMPORAL-LOGIC-BASED INTERMITTENT, OPTIMAL, AND SAFE CONTINUOUS-TIME LEARNING FOR TRAJECTORY TRACKING	1113
<i>Aris Kannelopoulos, Filippos Fotiadis, Chuangchuang Sun, Zhe Xu, Kyriakos G. Vamvoudakis, Ufuk Topcu, Warren E. Dixon</i>	
VALUE OF INFORMATION IN NETWORKED CONTROL SYSTEMS SUBJECT TO DELAY	1119
<i>Siyi Wang, Qingchen Liu, Precious Ugo Abara, John S. Baras, Sandra Hirche</i>	
SELF-TRIGGERED MODEL PREDICTIVE CONTROL FOR PERTURBED NONLINEAR SYSTEMS: AN ITERATIVE IMPLEMENTATION	1125
<i>Tao Wang, Pengfei Li, Yu Kang, Yun-Bo Zhao</i>	
ABSTRACTING THE SAMPLING BEHAVIOUR OF STOCHASTIC LINEAR PERIODIC EVENT-TRIGGERED CONTROL SYSTEMS	1131
<i>Giannis Delimpaltadakis, Luca Laurenti, Manuel Mazo</i>	
SYNTHESIS OF INTERCONNECTED CONTROL SYSTEMS UNDER REACHABILITY SPECIFICATIONS	1139
<i>Mohammad Al Khatib, Stefan Streif</i>	
REACH-AVOID ANALYSIS FOR DELAY DIFFERENTIAL EQUATIONS	1145
<i>Bai Xue, Yunjun Bai, Naijun Zhan, Wenyong Liu, Li Jiao</i>	
SELF-TRIGGERED CONTROL FOR NEAR-MAXIMAL AVERAGE INTER-SAMPLE TIME	1152
<i>Gabriel de A. Gleizer, Khushraj Madnani, Manuel Mazo</i>	
SAFETY VERIFICATION OF DYNAMICAL SYSTEMS VIA K-INDUCTIVE BARRIER CERTIFICATES	1158
<i>Mahathi Anand, Vishnu Murali, Ashutosh Trivedi, Majid Zamani</i>	

FAST SYNTHESIS FOR SYMBOLIC SELF-TRIGGERED CONTROL UNDER RIGHT-RECURSIVE LTL SPECIFICATIONS	1165
<i>Sasinee Pruekprasert, Clovis Eberhart, Jérémy Dubut</i>	
STL ROBUSTNESS RISK OVER DISCRETE-TIME STOCHASTIC PROCESSES	1173
<i>Lars Lindemann, Nikolai Matni, George J. Pappas</i>	
VOLTAGE REGULATION FOR A SELF-EXCITED INDUCTION GENERATOR	1180
<i>Luis Miguel Esquivel-Sancho, Roberto Pereira-Arroyo, Mauricio Muñoz-Arias</i>	
CHARGING ELECTRIC VEHICLES WITH VALET: A NOVEL BUSINESS MODEL TO PROMOTE TRANSPORTATION ELECTRIFICATION.....	1186
<i>Zhijie Lai, Sen Li</i>	
LABOR-RIGHT PROTECTING DISPATCH OF MEAL DELIVERY PLATFORMS	1193
<i>Wentao Weng, Yang Yu</i>	
DATA-BASED APPROACH FOR FINAL PRODUCT QUALITY INSPECTION: APPLICATION TO A SEMICONDUCTOR INDUSTRY	1200
<i>Mohammed Al-Kharaz, Bouchra Ananou, Mustapha Ouladsine, Michel Combal, Jacques Pinaton</i>	
SCALABLE MULTI-OBJECTIVE OPTIMIZATION IN PROGRAMMATIC ADVERTISING VIA FEEDBACK CONTROL	1207
<i>Niklas Karlsson</i>	
STATE ESTIMATION FOR SPARK-IGNITION ENGINES USING NEW NOISE ADAPTIVE LAWS IN UNSCENTED KALMAN FILTER.....	1215
<i>Vyoma Singh, Birupaksha Pal, Tushar Jain</i>	
CONTROLLING A CYBEROCTOPUS SOFT ARM WITH MUSCLE-LIKE ACTUATION.....	1221
<i>Heng-Sheng Chang, Udit Halder, Ekaterina Gribkova, Arman Tekinalp, Noel Naughton, Mattia Gazzola, Prashant G. Mehta</i>	
DISCRETE-TIME OUTPUT REGULATION AND VISUOMOTOR ADAPTATION	1229
<i>Mohamed A. Hafez, Erick Mejia Uzeda, Mireille E. Broucke</i>	
A NONLINEAR OBSERVABILITY ANALYSIS OF AMBIENT WIND ESTIMATION WITH UNCALIBRATED SENSORS, INSPIRED BY INSECT NEURAL ENCODING	1237
<i>Floris van Breugel</i>	
IN-PHASE OSCILLATIONS FROM THE COOPERATION OF CELLULAR AND NETWORK POSITIVE FEEDBACK IN SYNAPTICALLY-COUPLED OSCILLATORS.....	1245
<i>Omar Juarez-Alvarez, Alessio Franci</i>	
A NEUROMORPHIC CONTROL ARCHITECTURE INSPIRED BY THE LIMBIC SYSTEM.....	1251
<i>Ignacio Rubio Scola, Luis Rodolfo Garcia Carrillo, Terrence C. Stewart, Andrew T. Sornborger</i>	
AN ENERGY SHAPING EXOSKELETON CONTROLLER FOR HUMAN STRENGTH AMPLIFICATION	1257
<i>Gray Cortright Thomas, Robert D. Gregg</i>	
AN INPUT-OUTPUT FEEDBACK LINEARIZATION APPROACH TO THE MOTION CONTROL OF FLEXIBLE JOINT MANIPULATORS	1264
<i>J. Montoya-Cháirez, J. Moreno-Valenzuela</i>	

SEMIGLOBAL ASYMPTOTIC STABILITY OF NONLINEAR PD-TYPE PLUS GRAVITY COMPENSATION CONTROLLERS FOR INPUT-SATURATED ROBOT MANIPULATORS *.....	1270
<i>Marco Jiménez-Quiroz, Jerónimo Moyrón, Javier Moreno-Valenzuela</i>	
REGULATION CONTROL OF A SUSPENDED CABLE-DRIVEN ROBOT VIA ENERGY SHAPING.....	1276
<i>M. Reza J. Harandi, Amir Molaei, Hamid. D. Taghirad</i>	
SUBOPTIMAL CONTROL DESIGN FOR DIFFERENTIAL WHEELED MOBILE ROBOTS WITH ? - D TECHNIQUE.....	1282
<i>Jie Yao, Ming Xin</i>	
HIERARCHICAL CONTROL FOR UNCERTAIN DISCRETE-TIME NONLINEAR SYSTEMS UNDER SIGNAL TEMPORAL LOGIC SPECIFICATIONS.....	1288
<i>Pian Yu, Dimos V. Dimarogonas</i>	
DIRECT DATA-DRIVEN MODEL-REFERENCE CONTROL WITH LYAPUNOV STABILITY GUARANTEES	1294
<i>Valentina Breschi, Claudio De Persis, Simone Formentin, Pietro Tesi</i>	
TRADING-OFF SAFETY, EXPLORATION, AND EXPLOITATION IN LEARNING-BASED OPTIMIZATION: A SET MEMBERSHIP APPROACH	1300
<i>Lorenzo Sabug, Fredy Ruiz, Lorenzo Fagiano</i>	
ON THE CONSISTENCY OF THE RISK EVALUATION IN THE SCENARIO APPROACH.....	1306
<i>Simone Garatti, Marco C. Campi</i>	
SYSTEM THEORY WITHOUT TRANSFER FUNCTIONS AND STATE-SPACE? YES, IT'S POSSIBLE!	1312
<i>Ivan Markovsky</i>	
FROM SYSTEM LEVEL SYNTHESIS TO ROBUST CLOSED-LOOP DATA-ENABLED PREDICTIVE CONTROL.....	1316
<i>Yingzhao Lian, Colin N. Jones</i>	
DATA-BASED SYSTEM ANALYSIS AND CONTROL OF FLAT NONLINEAR SYSTEMS.....	1322
<i>Mohammad Alsalti, Julian Berberich, Victor G. Lopez, Frank Allgöwer, Matthias A. Müller</i>	
EFFICIENT ROBUST OPTIMAL TRANSPORT WITH APPLICATION TO MULTI-LABEL CLASSIFICATION.....	1328
<i>Pratik Jawanpuria, N.T.V. Satyadev, Bamdev Mishra</i>	
GENERALIZED ADAGRAD (G-ADAGRAD) AND ADAM: A STATE-SPACE PERSPECTIVE	1334
<i>Kushal Chakrabarti, Nikhil Chopra</i>	
ONLINE ALGORITHMS FOR POLYNOMIAL REGRESSION ON PHYSICAL RESERVOIR COMPUTERS WITH NOISY MEASUREMENTS	1340
<i>Jiayin Chen, Hendra I. Nurdin</i>	
DISTRIBUTED LEARNING-BASED STABILITY ASSESSMENT FOR LARGE SCALE NETWORKS OF DISSIPATIVE SYSTEMS	1347
<i>Amit Jena, Tong Huang, S. Sivaranjani, Dileep Kalathil, Le Xie</i>	
LEARNING BASED MODEL PREDICTIVE CONTROL FOR QUADCOPTERS WITH DUAL GAUSSIAN PROCESS.....	1353
<i>Yuhan Liu, Roland Tóth</i>	

RISK-SENSITIVE REINFORCE: A MONTE CARLO POLICY GRADIENT ALGORITHM FOR EXPONENTIAL PERFORMANCE CRITERIA.....	1360
<i>Erfaun Noorani, John S. Baras</i>	
REINFORCEMENT LEARNING BEYOND EXPECTATION	1366
<i>Bhaskar Ramasubramanian, Luyao Niu, Andrew Clark, Radha Poovendran</i>	
FAULT TOLERANT CONTROL FOR AUTONOMOUS SURFACE VEHICLES VIA MODEL REFERENCE REINFORCEMENT LEARNING.....	1374
<i>Qingrui Zhang, Xinyu Zhang, Bo Zhu, Vasso Reppa</i>	
NON-MARKOVIAN REINFORCEMENT LEARNING USING FRACTIONAL DYNAMICS	1380
<i>Gaurav Gupta, Chenzhong Yin, Jyotirmoy V. Deshmukh, Paul Bogdan</i>	
DECENTRALIZED DETERMINISTIC MULTI-AGENT REINFORCEMENT LEARNING.....	1386
<i>Antoine Grosnit, Desmond Cai, Laura Wynter</i>	
FORK: A FORWARD-LOOKING ACTOR FOR MODEL-FREE REINFORCEMENT LEARNING.....	1392
<i>Honghao Wei, Lei Ying</i>	
ON THE SEARCH FOR FEEDBACK IN REINFORCEMENT LEARNING	1398
<i>Ran Wang, Karthikeya S. Parunandi, Aayushman Sharma, Raman Goyal, Suman Chakravorty</i>	
LEAK DETECTION AND CLASSIFICATION IN PHARMACEUTICAL FREEZE-DRYERS: AN IDENTIFICATION-BASED APPROACH.....	1406
<i>Gabriele Calzavara, Luca Consolini, Gianluigi Ferrari</i>	
ESTIMATING EFFECTIVE CONNECTIVITY USING BRAIN PARTITIONING.....	1412
<i>Elvina Gindullina, Mattia Zorzi, Alessandra Bertoldo, Alessandro Chiuso</i>	
ON THE BENEFIT OF OVERPARAMETERIZATION IN STATE RECONSTRUCTION.....	1418
<i>Jonas F. Haderlein, Iven M. Y. Mareels, Andre D. H. Peterson, Parvin Zarei Eskikand, Anthony N. Burkitt, David B. Grayden</i>	
RECURSIVE IDENTIFICATION OF THE HAMMERSTEIN MODEL BASED ON THE VARIATIONAL BAYES METHOD	1424
<i>Jakub Dokoupil, Pavel Václavek</i>	
AN OPTIMAL REGULARIZED INSTRUMENTAL VARIABLE METHOD FOR ERRORS-IN-VARIABLES IDENTIFICATION.....	1430
<i>Emerson C. Boeira, Diego Eckhard</i>	
ON ASYMPTOTIC DISTRIBUTION OF GENERALIZED CROSS VALIDATION HYPER-PARAMETER ESTIMATOR FOR REGULARIZED SYSTEM IDENTIFICATION*	1436
<i>Yue Ju, Tianshi Chen, Biqiang Mu, Lennart Ljung</i>	
CONVERGENCE AND NEAR OPTIMALITY OF Q-LEARNING WITH FINITE MEMORY FOR PARTIALLY OBSERVED MODELS.....	1441
<i>Ali Devran Kara, Serdar Yüksel</i>	
ERROR BOUNDS FOR LOCALLY OPTIMAL DISTRIBUTED FILTERS WITH RANDOM COMMUNICATION GRAPHS.....	1447
<i>Aneel Tanwani</i>	

A CLASS OF SOLVABLE MARKOV DECISION MODELS WITH INCOMPLETE INFORMATION	1453
<i>Eugene A. Feinberg, Pavlo O. Kasyanov, Michael Z. Zgurovsky</i>	
A DUAL CHARACTERIZATION OF THE STABILITY OF THE WONHAM FILTER.....	1459
<i>Jin Won Kim, Prashant G. Mehta</i>	
THE CONDITIONAL POINCARÉ INEQUALITY FOR FILTER STABILITY	1467
<i>Jin Won Kim, Prashant G. Mehta, Sean Meyn</i>	
INFERENCE OF COLLECTIVE GAUSSIAN HIDDEN MARKOV MODELS	1475
<i>Rahul Singh, Yongxin Chen</i>	
HIERARCHICAL NONCOOPERATIVE SYSTEMS WITH DYNAMIC AGENTS UNDER INTRA-GROUP AND INTER-GROUP INCENTIVES	1482
<i>Yuyue Yan, Tomohisa Hayakawa</i>	
ROBUST UTILITY DESIGN IN DISTRIBUTED RESOURCE ALLOCATION PROBLEMS WITH DEFECTIVE AGENTS	1488
<i>Bryce L. Ferguson, Jason R. Marden</i>	
REACH-AVOID DIFFERENTIAL GAMES VIA FINITE-TIME HEADING TRACKING	1494
<i>Haowen Lai, Rui Yan, Weixian Zhang, Zongying Shi, Yisheng Zhong</i>	
THE DIVISION OF ASSETS IN MULTIAGENT SYSTEMS: A CASE STUDY IN TEAM BLOTTO GAMES	1501
<i>Keith Paarporn, Rahul Chandan, Mahnoosh Alizadeh, Jason R. Marden</i>	
EFFICIENT EPISODIC LEARNING OF NONSTATIONARY AND UNKNOWN ZERO-SUM GAMES USING EXPERT GAME ENSEMBLES	1507
<i>Yunian Pan, Quanyan Zhu</i>	
TIMED CONGESTION GAMES WITH APPLICATION TO MULTI-FLEET PLATOON MATCHING	1515
<i>Adrianto Ravi Ibrahim, Ahmet Cetinkaya, Masako Kishida</i>	
LINEAR CONVERGENCE OF DISTRIBUTED MIRROR DESCENT WITH INTEGRAL FEEDBACK FOR STRONGLY CONVEX PROBLEMS.....	1521
<i>Youbang Sun, Shahin Shahrampour</i>	
BFGS-ADMM FOR LARGE-SCALE DISTRIBUTED OPTIMIZATION.....	1527
<i>Yichuan Li, Yonghai Gong, Nikolaos M. Freris, Petros Voulgaris, Dušan Stipanović</i>	
GRADIENT SPARSIFICATION CAN IMPROVE PERFORMANCE OF DIFFERENTIALLY-PRIVATE CONVEX MACHINE LEARNING.....	1533
<i>Farhad Farokhi</i>	
RANDOM COORDINATE DESCENT ALGORITHM FOR OPEN MULTI-AGENT SYSTEMS WITH COMPLETE TOPOLOGY AND HOMOGENEOUS AGENTS	1539
<i>Charles Monnoyer de Galland, Renato Vizuete, Julien M. Hendrickx, Paolo Frasca, Elena Panteley</i>	
GLOBALLY CONVERGENT LOW COMPLEXITY ALGORITHMS FOR SEMIDEFINITE PROGRAMMING.....	1547
<i>Biel Roig-Solvas, M. Sznaier</i>	

INFINITE-HORIZON OPTIMAL CONTROL PROBLEMS FOR NONLINEAR SYSTEMS	1553
<i>M. Sassano, T. Mylvaganam, A. Astolfi</i>	
FINITE-TIME ACCURACY OF TIMED DISCRETE EVENT SYSTEMS.....	1574
<i>Francesco Basile, Luigi Ferrara</i>	
EXTENDING THE MODELING AND ANALYSIS CAPABILITIES OF CONTINUOUS PETRI NETS BY FLEXIBLE NETS.....	1580
<i>Jorge Júlvez, Stephen G. Oliver</i>	
OPTIMAL SUPERVISOR SIMPLIFICATION IN AMS BASED ON PETRI NETS AND GENETIC ALGORITHM.....	1587
<i>Chen Chen, Chan Gu, Hesuan Hu</i>	
OBSERVING A UNICYCLE ROBOT WITH DATA RATE CONSTRAINTS: A CASE STUDY	1595
<i>Quentin Voortman, Denis Efimov, Alexander Pogromsky, Haik Silm, Jean-Pierre Richard, Henk Nijmeijer</i>	
EXPONENTIAL STABILITY ALMOST SURELY OF LINEAR DYNAMICAL SYSTEMS ON STOCHASTIC PULSE TIME SCALES.....	1601
<i>Fatima Z. Taousser, Seddik M. Djouadi, Kevin Tomsovic</i>	
ADAPTIVE SYNCHRONIZATION OF UNCERTAIN COMPLEX NETWORKS UNDER STATE-DEPENDENT A PRIORI INTERCONNECTIONS	1607
<i>Tian Tao, Spandan Roy, Simone Baldi</i>	
MODELING AND ADAPTIVE CONTROL OF FLEXIBLE QUADROTOR UAVS.....	1613
<i>Emre Eraslan, Yildiray Yildiz</i>	
ADAPTIVE REPLANNING AND CONTROL FOR MAGNETIC MICROROBOTS TRACKING DESPITE UNKNOWN BLOOD VELOCITY.....	1619
<i>Yixin Sun, Matthieu Fruchard, Antoine Ferreira</i>	
ADAPTIVE EVENT-TRIGGERED MOTION TRACKING CONTROL STRATEGY FOR A LOWER LIMB REHABILITATION EXOSKELETON	1625
<i>Zhinan Peng, Hong Cheng, Rui Huang, Jiangping Hu, Rui Luo, Kaibo Shi, Bijoy Kumar Ghosh</i>	
ADAPTIVE BACKSTEPPING BASED SECURE CONTROL FOR P-NORMAL FORM OF SECOND-ORDER NONLINEAR SYSTEMS AGAINST DECEPTION ATTACKS	1632
<i>Mengze Yu, Wei Wang, Jing Zhou, Yongxin Tong</i>	
ONLINE POLICIES FOR REAL-TIME CONTROL USING MRAC-RL.....	1638
<i>Anubhav Guha, Anuradha M. Annaswamy</i>	
FEEDBACK STABILIZATION WITH DISCRETE MEASUREMENTS USING BOUNDS ON FUNDAMENTAL MATRICES.....	1644
<i>Frédéric Mazenc, Michael Malisoff</i>	
MAXIMAL GAIN AND PHASE MARGINS ATTAINABLE BY PID CONTROL	1650
<i>Qi Mao, Yong Xu, Jianqi Chen, Jie Chen, Tryphon Georgiou</i>	
COMPLEXITY OF THE LTI SYSTEM TRAJECTORY BOUNDEDNESS PROBLEM	1656
<i>Guillaume O. Berger, Raphaël M. Jungers</i>	

REFERENCE SIGNAL SHAPING FOR CLOSED-LOOP SYSTEMS WITH CAUSALITY CONSTRAINTS	1662
<i>Alicia Dautt-Silva, Raymond A. de Callafon</i>	
PRESCRIBED-TIME PREDICTOR CONTROL OF LTI SYSTEMS WITH DISTRIBUTED INPUT DELAY	1668
<i>Salim Zekraoui, Nicolás Espitia, Wilfrid Perruquetti</i>	
CONTROL OF NORMAL FLOW PDES WITH ISS PROPERTIES	1674
<i>Angelo Alessandri, Patrizia Bagnerini, Christophe Prieur, Anna Rossi</i>	
GLOBAL OBSERVER DESIGN FOR NAVIER-STOKES EQUATIONS IN 2D.....	1680
<i>Mykhaylo Zayats, Emilia Fridman, Sergiy Zhuk</i>	
SYNCHRONIZATION IN NETWORKS OF INFINITE-DIMENSIONAL LINEAR SYSTEMS: A UNIFIED APPROACH.....	1686
<i>Tian Xia, Luca Scardovi</i>	
EVENT/SELF-TRIGGERED MULTI-AGENT SYSTEM RENDEZVOUS WITH GRAPH MAINTENANCE.....	1692
<i>Federico M. Zegers, Dan P. Guralnik, Warren E. Dixon</i>	
ROBUST STOCHASTIC STABILITY IN DYNAMIC AND REACTIVE ENVIRONMENTS.....	1698
<i>Brandon C. Collins, Lisa Hines, Gia Barboza, Philip N. Brown</i>	
EVENT-DRIVEN RECEDING HORIZON CONTROL OF ENERGY-AWARE DYNAMIC AGENTS FOR DISTRIBUTED PERSISTENT MONITORING	1704
<i>Shirantha Welikala, Christos G. Cassandras</i>	
A GRADIENT DESCENT METHOD FOR FINITE HORIZON DISTRIBUTED CONTROL OF DISCRETE TIME SYSTEMS	1711
<i>Simon Heinke, Herbert Werner</i>	
DISTRIBUTED CONSENSUS OF STOCHASTIC MULTI-AGENT SYSTEMS WITH PRESCRIBED PERFORMANCE CONSTRAINTS	1717
<i>Pushpak Jagtap, Dimos V. Dimarogonas</i>	
EXPONENTIAL CONVERGENCE OF THE CONSENSUS ALGORITHM OVER A SHARED BROADCAST CHANNEL.....	1723
<i>Adel Bechihi, Elena Panteley, Arnaud Bouttier</i>	
URBAN ROAD TRAFFIC FUEL CONSUMPTION OPTIMIZATION VIA VARIABLE SPEED LIMITS OR SIGNALIZED ACCESS CONTROL: A COMPARATIVE STUDY	1729
<i>Bassel Othman, Giovanni De Nunzio, Domenico Di Domenico, Carlos Canudas-de-Wit</i>	
SELF-OPTIMIZING TRAFFIC LIGHT CONTROL USING HYBRID ACCELERATED EXTREMUM SEEKING	1735
<i>Felipe Galarza-Jimenez, Jorge I. Poveda, Ronny Kutadinata, Lele Zhang, Emiliano Dall'Anese</i>	
REAL-TIME OPTIMAL TRAFFIC MANAGEMENT IN SIGNAL-CONTROLLED INTERSECTIONS: A RECEDING-HORIZON APPROACH.....	1741
<i>Francesco Abbracciavento, Francesco Zimmari, Simone Formentin, Andrea G. Bianchessi, Sergio M. Savaresi</i>	

TRAFFIC-LIGHT CONTROL AT URBAN INTERSECTIONS USING EXPECTED WAITING-TIME INFORMATION	1747
<i>Arnob Ghosh, Matteo Scandella, Michelangelo Bin, Thomas Parisini</i>	
OPTIMAL CONTROL FOR LINEAR NETWORKED CONTROL SYSTEMS WITH INFORMATION TRANSMISSION CONSTRAINTS	1754
<i>Antoine Aspeel, Kwesi Rutledge, Raphaël M. Jungers, Benoit Macq, Necmiye Özay</i>	
A DISCRETE-TIME EVENT-TRIGGERING APPROACH FOR SCHEDULING GUIDANCE DATA TRANSMISSIONS IN NETWORKED CONTROL SYSTEMS†	1762
<i>Stefan Ristevski, Tansel Yucelen, Jonathan A. Muse</i>	
EVENT-BASED CONTROL OF MOBILE OBJECTS OVER AN UNRELIABLE NETWORK	1768
<i>Michael Schwung, Jan Lunze</i>	
ADAPTIVE BIT ALLOCATION FOR COMMUNICATION-EFFICIENT DISTRIBUTED OPTIMIZATION	1776
<i>Hadi Reisizadeh, Behrouz Touri, Soheil Mohajer</i>	
BEHAVIOURAL ASSUME-GUARANTEE CONTRACTS FOR LINEAR DYNAMICAL SYSTEMS	1784
<i>B. M. Shali, A. J. van der Schaft, B. Besselink</i>	
COMPOSITIONAL SYNTHESIS OF SYMBOLIC CONTROLLERS FOR ATTRACTIVITY SPECIFICATIONS	1790
<i>W. Alejandro Apaza-Perez, Antoine Girard</i>	
ROBUST LINEAR PARAMETER-VARYING CONTROL FOR MULTI-MEGAWATT WIND TURBINE TESTING	1796
<i>Maximilian Basler, Felix Hruschka, Dirk Abel</i>	
TIRE PARTICLE CONTROL WITH COMFORT BOUNDS FOR ELECTRIC VEHICLES	1804
<i>Gunda Singer, Daniel Adelberger, Robert Shorten, Luigi Del Re</i>	
SHARED ANTITHETIC INTEGRAL CONTROL FOR DYNAMIC CELL POPULATIONS	1811
<i>Lorenzo Duso, Tommaso Bianucci, Christoph Zechner</i>	
UPGRADING LINEAR TO SLIDING MODE FEEDBACK ALGORITHM FOR A DIGITAL CONTROLLER	1817
<i>Gabriele Perozzi, Andrey Polyakov, Félix Miranda-Villatoro, Bernard Brogliato</i>	
CO-OPTIMIZATION OF THE SPOOLING MOTION AND CROSS-CURRENT TRAJECTORY OF AN ENERGY-HARVESTING MARINE HYDROKINETIC KITE	1823
<i>Debapriya Bhattacharjee, Miguel Alvarez Tiburcio, Hosam Fathy</i>	
SAC: SOLAR-AWARE E-TAXI FLEET CHARGING COORDINATION UNDER DYNAMIC PASSENGER MOBILITY	1829
<i>Yukun Yuan, Yue Zhao, Shan Lin</i>	
SPREAD/REMOVAL PARAMETER IDENTIFICATION IN A SIR EPIDEMIC MODEL	1837
<i>A. Borri, P. Palumbo, F. Papa</i>	
A DYNAMIC POPULATION MODEL OF STRATEGIC INTERACTION AND MIGRATION UNDER EPIDEMIC RISK	1843
<i>Ezzat Elokda, Saverio Bolognani, Ashish R. Hota</i>	

CONTROLLING EPIDEMICS VIA TESTING	1850
<i>Kyriakos Lotidis, Aris L. Moustakas, Nicholas Bambos</i>	
ON A DISCRETE-TIME NETWORK SIS MODEL WITH OPINION DYNAMICS	1856
<i>Yixuan Lin, Weihao Xuan, Ruijie Ren, Ji Liu</i>	
PEAK INFECTION TIME FOR A NETWORKED SIR EPIDEMIC WITH OPINION DYNAMICS	1862
<i>Baïke She, Humphrey C. H. Leung, Shreyas Sundaram, Philip E. Paré</i>	
PERFORMANCE-BASED TRAJECTORY OPTIMIZATION FOR PATH FOLLOWING CONTROL USING BAYESIAN OPTIMIZATION	1868
<i>Alisa Rupenyan, Mohammad Khosravi, John Lygeros</i>	
SAFE AND ROBUST MOTION PLANNING FOR DYNAMIC ROBOTICS VIA CONTROL BARRIER FUNCTIONS	1874
<i>Aniketh Manjunath, Quan Nguyen</i>	
PA-FASTRACK: PLANNER-AWARE REAL-TIME GUARANTEED SAFE PLANNING	1881
<i>Atefeh Sahraekhanghah, Mo Chen</i>	
A NOVEL PATH FOLLOWING CONTROL FRAMEWORK FOR ROBOT MANIPULATORS USING A ROTATION MINIMIZING FRAME	1889
<i>Yalun Wen, Prabhakar Pagilla</i>	
A NOVEL METHOD FOR THE LOCALIZATION OF CONVEX WORKPIECES IN ROBOT WORKSPACE USING GAUSS MAP	1895
<i>Jie Hu, Prabhakar R. Pagilla, Swaroop Darbha</i>	
IMPLICIT COMMUNICATION IN MULTI-ROBOT SYSTEMS WITH LIMITED SENSING CAPABILITIES	1901
<i>Savvas G. Loizou, Nicolas Constantinou</i>	
LEARNING CONVEX TERMINAL COSTS FOR COMPLEXITY REDUCTION IN MPC	1907
<i>Shokhjakon Abdufattokhov, Mario Zanon, Alberto Bemporad</i>	
DATA-DRIVEN ROLLOUT FOR DETERMINISTIC OPTIMAL CONTROL	1913
<i>Yuchao Li, Karl H. Johansson, Jonas Mårtensson, Dimitri P. Bertsekas</i>	
ON THE STABILITY PROPERTIES OF PERCEPTION-AWARE CHANCE-CONSTRAINED MPC IN UNCERTAIN ENVIRONMENTS	1921
<i>Angelo D. Bonzanini, Ali Mesbah, Stefano Di Cairano</i>	
RLO-MPC: ROBUST LEARNING-BASED OUTPUT FEEDBACK MPC FOR IMPROVING THE PERFORMANCE OF UNCERTAIN SYSTEMS IN ITERATIVE TASKS	1927
<i>Lukas Brunke, Siqi Zhou, Angela P. Schoellig</i>	
ONLINE LEARNING-BASED FORMATION CONTROL OF MULTI-AGENT SYSTEMS WITH GAUSSIAN PROCESSES	1935
<i>Thomas Beckers, Sandra Hirche, Leonardo Colombo</i>	
ITERATIVE GAUSSIAN PROCESS MODEL PREDICTIVE CONTROL WITH APPLICATION TO PHYSIOLOGICAL CONTROL SYSTEMS*	1941
<i>Georg Männel, Jan Graßhoff, Philipp Rostalski, Hossam S. Abbas</i>	

COOPERATIVE VISUAL PURSUIT CONTROL WITH LEARNING OF POSITION DEPENDENT TARGET MOTION VIA GAUSSIAN PROCESS.....	1949
<i>Junya Yamauchi, Marco Omainska, Thomas Beckers, Takeshi Hatanaka, Sandra Hirche, Masayuki Fujita</i>	
BAYESIAN MULTI-TASK LEARNING USING FINITE-DIMENSIONAL MODELS: A COMPARATIVE STUDY	1956
<i>Elena Arcari, Anna Scampicchio, Andrea Carron, Melanie N. Zeilinger</i>	
DISTRIBUTED EXPERIMENT DESIGN AND CONTROL FOR MULTI-AGENT SYSTEMS WITH GAUSSIAN PROCESSES.....	1964
<i>Viet-Anh Le, Truong X. Nghiem</i>	
SYNERGISTIC OFFLINE-ONLINE CONTROL SYNTHESIS VIA LOCAL GAUSSIAN PROCESS REGRESSION	1970
<i>John Jackson, Luca Laurenti, Eric Frew, Morteza Lahijanian</i>	
SAMPLE COMPLEXITY OF MODEL-BASED ROBUST REINFORCEMENT LEARNING.....	1978
<i>Kishan Panaganti, Dileep Kalathil</i>	
REGRET ANALYSIS IN DETERMINISTIC REINFORCEMENT LEARNING.....	1984
<i>Damianos Tranos, Alexandre Proutiere</i>	
MODEL-FREE REINFORCEMENT LEARNING FOR OPTIMAL CONTROL OF MARKOV DECISION PROCESSES UNDER SIGNAL TEMPORAL LOGIC SPECIFICATIONS	1990
<i>Krishna C. Kalagarla, Rahul Jain, Pierluigi Nuzzo</i>	
REINFORCEMENT LEARNING POLICIES WITH LOCAL LQR GUARANTEES FOR NONLINEAR DISCRETE-TIME SYSTEMS.....	1996
<i>Samuele Zoboli, Vincent Andrieu, Daniele Astolfi, Giacomo Casadei, Jilles S. Dibangoye, Madiha Nadri</i>	
OUTPUT FEEDBACK H _∞ CONTROL OF UNKNOWN DISCRETE-TIME LINEAR SYSTEMS: OFF-POLICY REINFORCEMENT LEARNING	2002
<i>Pouria Tooranjipour, Bahare Kiumarsi</i>	
EFFICIENT REINFORCEMENT LEARNING IN RESOURCE ALLOCATION PROBLEMS THROUGH PERMUTATION INVARIANT MULTI-TASK LEARNING	2008
<i>Desmond Cai, Shiau Hong Lim, Laura Wynter</i>	
THE CHALLENGE OF SMALL DATA: DYNAMIC MODE DECOMPOSITION, REDUX.....	2014
<i>Amirhossein Karimi, Tryphon T. Georgiou</i>	
RECURRENT EQUILIBRIUM NETWORKS: UNCONSTRAINED LEARNING OF STABLE AND ROBUST DYNAMICAL MODELS	2020
<i>Max Revay, Ruigang Wang, Ian R. Manchester</i>	
DEEP IDENTIFICATION OF NONLINEAR SYSTEMS IN KOOPMAN FORM.....	2026
<i>Lucian Cristian Iacob, Gerben Izaak Beintema, Maarten Schoukens, Roland Tóth</i>	
TIME-VARYING KOOPMAN OPERATOR THEORY FOR NONLINEAR SYSTEMS PREDICTION	2032
<i>Damien Guého, Puneet Singla, Manoranjan Majji</i>	

IDENTIFICATION OF NON-LINEAR DIFFERENTIAL-ALGEBRAIC EQUATION MODELS WITH PROCESS DISTURBANCES	2038
<i>Mohamed R.-H. Abdalmoaty, Oscar Eriksson, Robert Berez, David Broman, Håkan Hjalmarsson</i>	
FINITE-TIME IDENTIFICATION OF UNKNOWN DISCRETE-TIME NONLINEAR SYSTEMS USING CONCURRENT LEARNING.....	2044
<i>Farzaneh Tatari, Christos Panayiotou, Marios Polycarpou</i>	
RECURSIVE FEASIBILITY OF STOCHASTIC MODEL PREDICTIVE CONTROL WITH MISSION-WIDE PROBABILISTIC CONSTRAINTS	2050
<i>Kai Wang, Sébastien Gros</i>	
ON THE CONVEXITY OF DISCRETE TIME COVARIANCE STEERING IN STOCHASTIC LINEAR SYSTEMS WITH WASSERSTEIN TERMINAL COST	2056
<i>Isin M. Balci, Abhishek Halder, Efstathios Bakolas</i>	
COVARIANCE CONTROL OF DISCRETE-TIME GAUSSIAN LINEAR SYSTEMS USING AFFINE DISTURBANCE FEEDBACK CONTROL POLICIES	2062
<i>Isin M. Balci, Efstathios Bakolas</i>	
DISTRIBUTIONALLY ROBUST OPTIMIZATION FOR NETWORKED MICROGRIDS CONSIDERING CONTINGENCIES AND RENEWABLE UNCERTAINTY	2068
<i>Yifu Ding, Malcolm D. McCulloch</i>	
LINEAR QUADRATIC TRACKING CONTROL OF HIDDEN MARKOV JUMP LINEAR SYSTEMS SUBJECT TO AMBIGUITY	2074
<i>Ioannis Tzortzis, Christoforos N. Hadjicostis, Charalambos D. Charalambous</i>	
INDEXABILITY AND ROLLOUT POLICY FOR MULTI-STATE PARTIALLY OBSERVABLE RESTLESS BANDITS.....	2080
<i>Rahul Meshram, Kesav Kaza</i>	
THE NEGLECTED BI-THRESHOLD ASPECT OF HUMAN DECISION-MAKING: EQUILIBRIUM ANALYSIS.....	2086
<i>Mahya Jamshidian, Zeinab Maleki, Pouria Ramazi</i>	
DEFENDING AN ASSET WITH PARTIAL INFORMATION AND SELECTED OBSERVATIONS: A DIFFERENTIAL GAME FRAMEWORK	2092
<i>Yunhan Huang, Juntao Chen, Quanyan Zhu</i>	
MULTI-PLANNER INTERVENTION IN NETWORK GAMES WITH COMMUNITY STRUCTURES	2100
<i>Kun Jin, Mingyan Liu</i>	
L-DQN: AN ASYNCHRONOUS LIMITED-MEMORY DISTRIBUTED QUASI-NEWTON METHOD.....	2106
<i>Bugra Can, Saeed Soori, Maryam Mehri Dehnavi, Mert Gürbüzbalaban</i>	
A FAST SMOOTHING PROCEDURE FOR LARGE-SCALE STOCHASTIC PROGRAMMING	2114
<i>Martin Biel, Vien V. Mai, Mikael Johansson</i>	
DECENTRALIZED CONSTRAINED OPTIMIZATION: DOUBLE AVERAGING AND GRADIENT PROJECTION.....	2120
<i>Firooz Shahriari-Mehr, David Bosch, Ashkan Panahi</i>	

AN ACCELERATED SECOND-ORDER METHOD FOR DISTRIBUTED STOCHASTIC OPTIMIZATION	2127
<i>Artem Agafonov, Pavel Dvurechensky, Gesualdo Scutari, Alexander Gasnikov, Dmitry Kamzolov, Aleksandr Lukashovich, Amir Daneshmand</i>	
AN ESSENTIALLY DECENTRALIZED INTERIOR POINT METHOD FOR CONTROL	2134
<i>Alexander Englemann, Gösta Stomberg, Timm Faulwasser</i>	
ON ENERGY CONVERSION IN PORT-HAMILTONIAN SYSTEMS.....	2141
<i>Arjan van der Schaft, Dimitri Jeltsema</i>	
NONLINEAR OPTIMAL CONTROL OF A BALLAST-STABILIZED FLOATING WIND TURBINE VIA EXTERNALLY STABILISED HAMILTONIAN DYNAMICS	2148
<i>T. Mylvaganam, M. Sassano, A. Astolfi</i>	
TRAJECTORY TRACKING FOR ROBOTIC ARMS WITH INPUT SATURATION AND ONLY POSITION MEASUREMENTS	2154
<i>P. Borja, J. van der Veen, J. M. A. Scherpen</i>	
FEASIBILITY AND SYNTHESIS OF FINITE-DIMENSIONAL, LINEAR TIME-INVARIANT SYNTHETIC ADMITTANCES FOR SELF-POWERED SYSTEMS	2160
<i>Connor Ligeikis, Jeff Scruggs</i>	
EXCITING NONLINEAR MODES OF CONSERVATIVE MECHANICAL SYSTEMS BY OPERATING A MASTER VARIABLE DECOUPLING	2168
<i>Cosimo Della Santina, Dominic Lakatos, Antonio Bicchi, Alin Albu-Schaeffer</i>	
REAL-TIME WIND DIRECTION ESTIMATION USING MACHINE LEARNING ON OPERATIONAL WIND FARM DATA * †	2176
<i>Farzad Karami, Yujie Zhang, Mario A. Rotea, Federico Bernardoni, Stefano Leonardi</i>	
LEARNING RESTRICTIONS ON ADMISSIBLE SWITCHING SIGNALS FOR SWITCHED SYSTEMS.....	2182
<i>Atreyee Kundu</i>	
OBSERVABILITY AND DETERMINABILITY CHARACTERIZATIONS FOR LINEAR SWITCHED SYSTEMS IN DISCRETE TIME.....	2188
<i>Sutrisno, Stephan Trenn</i>	
A COMPUTATIONALLY EFFICIENT LQR BASED MODEL PREDICTIVE CONTROL SCHEME FOR DISCRETE-TIME SWITCHED LINEAR SYSTEMS	2194
<i>Midhun T. Augustine, Deepak U. Patil</i>	
OPTIMISTIC PLANNING FOR NEAR-OPTIMAL CONTROL OF NONLINEAR SYSTEMS WITH HYBRID INPUTS	2200
<i>Ioana Lal, Constantin Morărescu, Jamal Daafouz, Lucian Buşoniu</i>	
A PROPOSAL OF ADAPTIVE PARAMETER TUNING FOR ROBUST STABILIZING CONTROL OF N-LEVEL QUANTUM ANGULAR MOMENTUM SYSTEMS	2208
<i>Shoju Enami, Kentaro Ohki</i>	
MPC-GUIDED IMITATION LEARNING OF BAYESIAN NEURAL NETWORK POLICIES FOR THE ARTIFICIAL PANCREAS.....	2215
<i>Hongkai Chen, Nicola Paoletti, Scott A. Smolka, Shan Lin</i>	
LEARNING-BASED ADAPTIVE CONTROL USING CONTRACTION THEORY	2223
<i>Hiroyasu Tsukamoto, Soon-Jo Chung, Jean-Jacques Slotine</i>	

A BEHAVIORAL INPUT-OUTPUT PARAMETRIZATION OF CONTROL POLICIES WITH SUBOPTIMALITY GUARANTEES	2229
<i>Luca Furieri, Baiwei Guo, Andrea Martin, Giancarlo Ferrari-Trecate</i>	
LATTICE PIECEWISE AFFINE APPROXIMATION OF EXPLICIT LINEAR MODEL PREDICTIVE CONTROL	2235
<i>Jun Xu</i>	
OBSERVATIONS ON THE COMPLEXITY OF THE EXPLICIT MPC	2241
<i>Florin Stoican, Ștefan S. Mihai, Bogdan D. Ciubotaru</i>	
SEMI-EXPLICIT LINEAR MPC USING A WARM-STARTED ACTIVE-SET QP ALGORITHM WITH EXACT COMPLEXITY GUARANTEES	2247
<i>Daniel Arnström, Daniel Axehill</i>	
SCALABLE ROBUST OUTPUT FEEDBACK MPC OF LINEAR SAMPLED-DATA SYSTEMS	2253
<i>Felix Gruber, Matthias Althoff</i>	
ROBUST OUTPUT FEEDBACK MPC WITH REDUCED CONSERVATISM FOR LINEAR UNCERTAIN SYSTEMS USING TIME VARYING TUBES	2261
<i>Markus Kogel, Rolf Findeisen</i>	
INFERRING THE ADJOINT TURNPIKE PROPERTY FROM THE PRIMAL TURNPIKE PROPERTY	2268
<i>Timm Faulwasser, Lars Grüne, Jukka-Pekka Humaloja, Manuel Schaller</i>	
BACKSTEPPING CONTROL OF MIXED HYPERBOLIC-PARABOLIC PDE SYSTEM WITH MULTIPLE COUPLING TERMS	2274
<i>Guangwei Chen, Rafael Vazquez, Zhitao Liu, Hongye Su</i>	
INPUT TO STATE STABILITY OF THE KERMACK-MCKENDRICK AGE STRUCTURED EPIDEMIC MODEL*	2280
<i>Jorge San Martín, Takéo Takahashi, Marius Tucsnak</i>	
STABILIZING INTEGRAL DELAY DYNAMICS AND HYPERBOLIC SYSTEMS USING A FREDHOLM TRANSFORMATION	2285
<i>Jeanne Redaud, Jean Auriol, Silviu-Iulian Niculescu</i>	
MAXIMIN EFFICIENT SENSOR LOCATION FOR PARAMETER ESTIMATION OF SPATIOTEMPORAL SYSTEMS.....	2291
<i>Dariusz Uciński, Maciej Patan</i>	
OPTIMAL NAVIGATION OVER SPATIOTEMPORALLY VARYING HAZARDOUS FIELDS.....	2297
<i>Michael A. Demetriou, Efstathios Bakolas</i>	
INTERMITTENT COMMUNICATIONS IN DECENTRALIZED SHADOW REWARD ACTOR-CRITIC.....	2303
<i>Amrit Singh Bedi, Alec Koppel, Mengdi Wang, Junyu Zhang</i>	
SOCIAL SHAPING OF COMPETITIVE EQUILIBRIUMS FOR RESILIENT MULTI-AGENT SYSTEMS	2311
<i>Yijun Chen, Razibul Islam, Elizabeth Ratnam, Ian R. Petersen, Guodong Shi</i>	
AUTOMATED WORST-CASE PERFORMANCE ANALYSIS OF DECENTRALIZED GRADIENT DESCENT	2317
<i>Sebastien Colla, Julien M. Hendrickx</i>	

DECENTRALIZED STATISTICAL INFERENCE WITH UNROLLED GRAPH NEURAL NETWORKS	2324
<i>He Wang, Yifei Shen, Ziyuan Wang, Dongsheng Li, Jun Zhang, Khaled B. Letaief, Jie Lu</i>	
FINITE-TIME ANALYSIS OF DECENTRALIZED STOCHASTIC APPROXIMATION WITH APPLICATIONS IN MULTI-AGENT AND MULTI-TASK LEARNING	2331
<i>Sihan Zeng, Thinh T. Doan, Justin Romberg</i>	
PHYSICS-INFORMED LEARNING FOR IDENTIFICATION AND STATE RECONSTRUCTION OF TRAFFIC DENSITY	2337
<i>Matthieu Barreau, Miguel Aguiar, John Liu, Karl Henrik Johansson</i>	
DECENTRALIZED MODEL PREDICTIVE CONTROL FOR AUTOMATED AND CONNECTED ELECTRIC VEHICLES AT SIGNAL-FREE INTERSECTIONS	2343
<i>Xiao Pan, Boli Chen, Li Dai, Stelios Timotheou, Simos A. Evangelou</i>	
CENTRALIZED AND DECENTRALIZED SCHEMES FOR PLATOON CONTROL IN FREEWAY TRAFFIC SYSTEMS	2349
<i>S. Sacone, C. Pasquale, S. Siri, A. Ferrara</i>	
BOUNDARY CONTROL FOR MULTI-DIRECTIONAL TRAFFIC ON URBAN NETWORKS	2355
<i>Liudmila Tumash, Carlos Canudas-de-Wit, Maria Laura Delle Monache</i>	
DECENTRALIZED OPTIMAL MERGING CONTROL FOR CONNECTED AND AUTOMATED VEHICLES ON CURVED ROADS	2361
<i>Wei Xiao, Christos G. Cassandras</i>	
LYAPUNOV-BASED TWO-DIMENSIONAL CRUISE CONTROL OF AUTONOMOUS VEHICLES ON LANE-FREE ROADS	2367
<i>Iasson Karafyllis, Dionysios Theodosis, Markos Papageorgiou</i>	
A COMMUNICATION SECURITY GAME ON SWITCHED SYSTEMS FOR AUTONOMOUS VEHICLE PLATOONS	2374
<i>Guoxin Sun, Tansu Alpcan, Benjamin I. P. Rubinstein, Seyit Camtepe</i>	
RESILIENT CONSENSUS WITH MULTI-HOP COMMUNICATION	2380
<i>Liwei Yuan, Hideaki Ishii</i>	
SAMPLED-DATA ONLINE FEEDBACK EQUILIBRIUM SEEKING: STABILITY AND TRACKING	2386
<i>Giuseppe Belgioioso, Dominic Liao-McPherson, Mathias Hudoba de Badyn, Saverio Bolognani, John Lygeros, Florian Dörfler</i>	
NEUROMIMETIC CONTROL — A LINEAR MODEL PARADIGM.....	2393
<i>John Baillieul, Zexin Sun</i>	
DIFFERENTIALLY PRIVATE OUTLIER DETECTION IN CORRELATED DATA	2401
<i>Kwassi H. Degue, Karthik Gopalakrishnan, Max Z. Li, Hamsa Balakrishnan</i>	
PRIVACY-PRESERVING AVERAGE CONSENSUS IN FINITE TIME	2409
<i>Antai Xie, Xiaofan Wang, Xiaoqiang Ren</i>	
MINIMIZING INFORMATION LEAKAGE OF ABRUPT CHANGES IN STOCHASTIC SYSTEMS	2416
<i>Alessio Russo, Alexandre Proutiere</i>	

EFFECTS OF QUANTIZATION AND DITHERING IN PRIVACY ANALYSIS FOR A NETWORKED CONTROL SYSTEM*	2424
<i>Yu Kawano, Ming Cao</i>	
EDGE DIFFERENTIAL PRIVACY FOR ALGEBRAIC CONNECTIVITY OF GRAPHS	2430
<i>Bo Chen, Calvin Hawkins, Kasra Yazdani, Matthew Hale</i>	
A RIEMANNIAN AUGMENTED LAGRANGIAN METHOD FOR THE OPTIMAL POWER FLOW PROBLEM IN RADIAL DISTRIBUTION NETWORKS	2436
<i>Majid Heidarifar, Panagiotis Andrianesis, Michael C. Caramanis</i>	
STABILITY OF POWER NETWORKS WITH TIME-VARYING INERTIA	2442
<i>Andreas Kasis, Stelios Timotheou, Marios Polycarpou</i>	
DC-DC BUCK CONVERTER POLYNOMIAL TRACKING CONTROL DESIGN WITH SATURATION CONSTRAINT	2448
<i>Imen Iben Ammar, Hamdi Gassara, Ahmed El Hajjaji, Mohamed Chaabane</i>	
EFFECTIVE TESTING POLICIES FOR CONTROLLING AN EPIDEMIC OUTBREAK	2454
<i>Muhammad Umar B. Niazi, Alain Kibangou, Carlos Canudas-de-Wit, Denis Nikitin, Liudmila Tumash, Pierre-Alexandre Bliman</i>	
VACCINATION WITH INPUT-TO-STATE STABILITY FOR SIR MODEL OF EPIDEMICS	2460
<i>Hiroshi Ito</i>	
DISTRIBUTED LINK REMOVAL STRATEGY FOR NETWORKED META-POPULATION EPIDEMICS AND ITS APPLICATION TO THE CONTROL OF THE COVID-19 PANDEMIC	2466
<i>Fangzhou Liu, Yuhong Chen, Tong Liu, Dong Xue, Martin Buss</i>	
ROBUST PANDEMIC CONTROL SYNTHESIS WITH FORMAL SPECIFICATIONS: A CASE STUDY ON COVID-19 PANDEMIC	2472
<i>Zhe Xu, Xiaoming Duan</i>	
DIFFERENTIAL GAMES IN SPREAD OF COVID-19	2478
<i>Sushant Vijayan</i>	
DECISION REFERRALS IN HUMAN-AUTOMATION TEAMS	2484
<i>Kesav Kaza, Jerome Le Ny, Aditya Mahajan</i>	
HUMAN-IN-THE-LOOP ROBOT PLANNING WITH NON-CONTEXTUAL BANDIT FEEDBACK	2490
<i>Yijie Zhou, Yan Zhang, Xusheng Luo, Michael M. Zavlanos</i>	
A BARRIER PAIR METHOD FOR SAFE HUMAN-ROBOT SHARED AUTONOMY	2496
<i>Binghan He, Mahsa Ghasemi, Ufuk Topcu, Luis Sentis</i>	
SENSITIVITY OF ELECTRIC VEHICLE CHARGING FACILITY OCCUPANCY TO USERS' IMPATIENCE	2504
<i>Cesar Santoyo, Gustav Nilsson, Samuel Coogan</i>	
LEARNING ACCURATE LONG-TERM DYNAMICS FOR MODEL-BASED REINFORCEMENT LEARNING	2510
<i>Nathan Lambert, Albert Wilcox, Howard Zhang, Kristofer S. J. Pister, Roberto Calandra</i>	
DISTRIBUTED BAYESIAN ONLINE LEARNING FOR COOPERATIVE MANIPULATION	2518
<i>Pablo Budde Gen. Dohmann, Armin Lederer, Marcel Dißmond, Sandra Hirche</i>	

LEARNING ODE MODELS WITH QUALITATIVE STRUCTURE USING GAUSSIAN PROCESSES	2526
<i>Steffen Ridderbusch, Christian Offen, Sina Ober-Blöbaum, Paul Goulart</i>	
LINEAR SYSTEMS CAN BE HARD TO LEARN	2533
<i>Anastasios Tsiamis, George J. Pappas</i>	
DISTRIBUTED BAYESIAN PARAMETER INFERENCE FOR PHYSICS-INFORMED NEURAL NETWORKS.....	2541
<i>He Bai, Kinjal Bhar, Jemin George, Carl Busart</i>	
FROM CONTRACTION THEORY TO FIXED POINT ALGORITHMS ON RIEMANNIAN AND NON-EUCLIDEAN SPACES	2547
<i>Francesco Bullo, Pedro Cisneros-Velarde, Alexander Davydov, Saber Jafarpour</i>	
DEEP MINMAX NETWORKS	2553
<i>Winfried Lohmüller, Philipp Gassert, Jean-Jacques Slotine</i>	
NONPARAMETRIC ADAPTIVE CONTROL AND PREDICTION: THEORY AND RANDOMIZED ALGORITHMS	2559
<i>Nicholas M. Boffi, Stephen Tu, Jean-Jacques Slotine</i>	
SAFE MOTION PLANNING WITH TUBES AND CONTRACTION METRICS	2567
<i>Sumeet Singh, Hiroyasu Tsukamoto, Brett T. Lopez, Soon-Jo Chung, Jean-Jacques Slotine</i>	
A THEORETICAL OVERVIEW OF NEURAL CONTRACTION METRICS FOR LEARNING-BASED CONTROL WITH GUARANTEED STABILITY	2573
<i>Hiroyasu Tsukamoto, Soon-Jo Chung, Jean-Jacques Slotine, Chuchu Fan</i>	
CONTRACTION-BASED METHODS FOR STABLE IDENTIFICATION AND ROBUST MACHINE LEARNING: A TUTORIAL	2579
<i>Ian R. Manchester, Max Revay, Ruigang Wang</i>	
PROVABLY SAFE MODEL-BASED META REINFORCEMENT LEARNING: AN ABSTRACTION-BASED APPROACH.....	2587
<i>Xiaowu Sun, Wael Fatnassi, Ulices Santa Cruz, Yasser Shoukry</i>	
ON THE CONVERGENCE OF REINFORCEMENT LEARNING IN NONLINEAR CONTINUOUS STATE SPACE PROBLEMS	2593
<i>Raman Goyal, Suman Chakravorty, Ran Wang, Mohamed Naveed Gul Mohamed</i>	
RISK-SENSITIVE REINFORCEMENT LEARNING AND ROBUST LEARNING FOR CONTROL	2600
<i>Erfaun Noorani, John S. Baras</i>	
AUGMENTED LAGRANGIAN METHOD FOR INSTANTANEOUSLY CONSTRAINED REINFORCEMENT LEARNING PROBLEMS	2606
<i>Jingqi Li, David Fridovich-Keil, Somayeh Sojoudi, Claire J. Tomlin</i>	
MPC-BASED REINFORCEMENT LEARNING FOR A SIMPLIFIED FREIGHT MISSION OF AUTONOMOUS SURFACE VEHICLES.....	2614
<i>Wenqi Cai, Arash B. Kordabad, Hossein N. Esfahani, Anastasios M. Lekkas, Sébastien Gros</i>	
GRAPH NEURAL NETWORK REINFORCEMENT LEARNING FOR AUTONOMOUS MOBILITY-ON-DEMAND SYSTEMS.....	2620
<i>Daniele Gammelli, Kaidi Yang, James Harrison, Filipe Rodrigues, Francisco C. Pereira, Marco Pavone</i>	

THE SRIVC ALGORITHM FOR CONTINUOUS-TIME SYSTEM IDENTIFICATION WITH ARBITRARY INPUT EXCITATION IN OPEN AND CLOSED LOOP	2628
<i>Rodrigo A. González, Cristian R. Rojas, Siqi Pan, James S. Welsh</i>	
LEARNING OF DYNAMICAL SYSTEMS UNDER ADVERSARIAL ATTACKS	2634
<i>Han Feng, Javad Lavaei</i>	
KERNEL REGULARIZATION FOR LOW-FREQUENCY DECAY SYSTEMS	2642
<i>Yusuke Fujimoto</i>	
PATH-BASED CONDITIONS FOR LOCAL NETWORK IDENTIFIABILITY	2648
<i>Antoine Legat, Julien M. Hendrickx</i>	
NONLINEAR DUAL CONTROL BASED ON FAST MOVING HORIZON ESTIMATION AND MODEL PREDICTIVE CONTROL WITH AN OBSERVABILITY CONSTRAINT	2654
<i>Emilien Flayac, Girish Nair, Iman Shames</i>	
THE FREE RESPONSE OF AN IDENTIFIED MODEL OF A LINEAR SYSTEM WITH A COMPLETELY UNKNOWN HARMONIC DISTURBANCE EXACTLY FORCASTS THE FREE-PLUS-FORCED RESPONSE OF THE TRUE SYSTEM THEREBY ENABLING ADAPTIVE MPC FOR HARMONIC DISTURBANCE REJECTION	2660
<i>Syed Aseem Ul Islam, Khaled Aljanaideh, Tam W. Nguyen, Ilya V. Kolmanovsky, Dennis S. Bernstein</i>	
LINEAR AND DYNAMIC PROGRAMS FOR RISK-SENSITIVE COST MINIMIZATION	2666
<i>Ari Arapostathis, Vivek S. Borkar</i>	
LEARNING IN DISCRETE-TIME AVERAGE-COST MEAN-FIELD GAMES	2672
<i>Berkay Anahtarci, Can Deha Kariksiz, Naci Saldi</i>	
SAMPLING, VARIATIONAL BAYESIAN INFERENCE, AND CONDITIONED STOCHASTIC DIFFERENTIAL EQUATIONS	2678
<i>Todd P. Coleman, Maxim Raginsky</i>	
DISCRETE-TIME LINEAR-QUADRATIC REGULATION VIA OPTIMAL TRANSPORT	2684
<i>Mathias Hudoba de Badyn, Erik Miehl, Dylan Janak, Behçet Açıkmeşe, Mehran Mesbahi, Tamer Başar, John Lygeros, Roy S. Smith</i>	
OPTIMAL EXPERIMENT DESIGN WITH APPLICATIONS TO PHARMACOKINETIC MODELING*	2690
<i>Murat K. Erdal, Kevin W. Plaxco, Julian Gerson, Tod E. Kippin, João P. Hespanha</i>	
STRUCTURAL STABILITY OF A FAMILY OF GROUP FORMATION GAMES	2698
<i>Chenlan Wang, Mehrdad Moharrami, Kun Jin, David Kempe, P. Jeffrey Brantingham, Mingyan Liu</i>	
DISTRIBUTED GRADIENT METHODS TO REACH A NASH EQUILIBRIUM IN POTENTIAL GAMES	2704
<i>Vineeth S. Varma, Jomphop Veetaseveera, Romain Postoyan, Irinel-Constantin Morărescu</i>	
GRADIENT PLAY IN N-CLUSTER GAMES WITH ZERO-ORDER INFORMATION	2710
<i>Tatiana Tatarenko, Jan Zimmermann, Jürgen Adamy</i>	
DISTRIBUTED SOLUTION OF GNEP OVER NETWORKS VIA THE DOUGLAS- RACHFORD SPLITTING METHOD	2716
<i>Yuanhanqing Huang, Jianghai Hu</i>	

IMPROVED CONVERGENCE RATE FOR A DISTRIBUTED TWO-TIME-SCALE GRADIENT METHOD UNDER RANDOM QUANTIZATION.....	2723
<i>Marcos M. Vasconcelos, Thinh T. Doan, Urbashi Mitra</i>	
MULTIPARTITE-GRAPH REPRESENTATION FOR TRANSPORTATION PLANNING IN EXPRESS DELIVERY NETWORK	2729
<i>Zhiqi Chang, Jian-Ya Ding, Chao Zhang, Fan Dong, Haoyuan Hu, Tao Yao, Ling Wang</i>	
MAX-GOSSIP SUBGRADIENT METHOD FOR DISTRIBUTED OPTIMIZATION	2736
<i>Ashwin Verma, Marcos M. Vasconcelos, Urbashi Mitra, Behrouz Touri</i>	
SEQUENTIAL CONVEX PROGRAMMING REVISITED	2743
<i>Mohsen Kheirandishfard, Fariba Zohrizadeh, Shahrouz Ryan Alimo, Farhad Kamangar, Ramtin Madani</i>	
VERIFYING GLOBAL OPTIMALITY OF CANDIDATE SOLUTIONS TO POLYNOMIAL OPTIMIZATION PROBLEMS USING A DETERMINANT RELAXATION HIERARCHY	2749
<i>Sikun Xu, Ruoyi Ma, Daniel K. Molzahn, Hassan Hijazi, Cédric Jozs</i>	
DISTRIBUTED CONVEX OPTIMIZATION WITH STATE-DEPENDENT INTERACTIONS OVER RANDOM NETWORKS	2755
<i>S. Sh. Alaviani, A. G. Kelkar</i>	
BEHAVIOR OF TOTALLY POSITIVE DIFFERENTIAL SYSTEMS NEAR A PERIODIC SOLUTION	2760
<i>Chengshuai Wu, Lars Grüne, Thomas Kriecherbauer, Michael Margaliot</i>	
SCALED RELATIVE GRAPHS FOR SYSTEM ANALYSIS	2766
<i>Thomas Chaffey, Fulvio Forni, Rodolphe Sepulchre</i>	
STABILIZATION OF DISCRETE-TIME NONLINEAR SYSTEMS BASED ON CONTROL DISSIPATION FUNCTIONS	2773
<i>Mircea Lazar</i>	
ON STRICT HOMOGENEOUS LYAPUNOV FUNCTION FOR GENERALIZED HOMOGENEOUS PI CONTROLLER	2780
<i>Yu Zhou, Andrey Polyakov, Gang Zheng</i>	
DATA-DRIVEN STABILITY ANALYSIS OF SWITCHED AFFINE SYSTEMS	2786
<i>Matteo Della Rossa, Zheming Wang, Lucas N. Egidio, Raphaël M. Jungers</i>	
STABILIZING SWITCHED SYSTEMS UNDER A CLASS OF RESTRICTED SWITCHING SIGNALS	2792
<i>Atreyee Kundu</i>	
GLOBAL ADAPTIVE OUTPUT FEEDBACK STABILIZATION FOR SWITCHED NONLINEAR TIME-DELAY SYSTEMS WITH UNKNOWN OUTPUT FUNCTION	2798
<i>Wanli Wang, Yan Lin, Xu Zhang</i>	
PEAK ESTIMATION FOR UNCERTAIN AND SWITCHED SYSTEMS.....	2804
<i>Jared Miller, Didier Henrion, Mario Sznaiar, Milan Korda</i>	
A GENERAL APPROACH TO ROBUST CONTROLLER ANALYSIS AND SYNTHESIS.....	2811
<i>Shih-Hao Tseng</i>	

GLOBAL SOLUTION TO AN H-INFINITY CONTROL PROBLEM WITH INPUT NONLINEARITY	2819
<i>Emil Vladu, Carolina Bergeling, Anders Rantzer</i>	
FIXED-ORDER H ₂ -CONIC CONTROL	2825
<i>Ethan J. LoCicero, Leila Bridgeman</i>	
ALGORITHM DESIGN AND EXTREMUM CONTROL: CONVEX SYNTHESIS DUE TO PLANT MULTIPLIER COMMUTATION	2831
<i>Tobias Holicki, Carsten W. Scherer</i>	
ON THE ROBUST QUANTIZED SAMPLED-DATA LEADERLESS CONSENSUS TRACKING OF NONLINEAR MULTI-AGENT SYSTEMS	2839
<i>M. Di Ferdinando, D. Bianchi, S. Di Gennaro, P. Pepe</i>	
INCREMENTAL DISSIPATIVITY BASED CONTROL OF DISCRETE-TIME NONLINEAR SYSTEMS VIA THE LPV FRAMEWORK	2845
<i>Patrick J.W. Koelewijn, Roland Tóth, Siep Weiland</i>	
VIBRATIONAL STABILIZATION USING LIFTING AND THE ROOT LOCUS	2851
<i>Karthik Chikmagalur, Bassam Bamieh</i>	
POLYHEDRAL LYAPUNOV FUNCTIONS WITH FIXED COMPLEXITY	2857
<i>Dimitris Kousoulidis, Fulvio Forni</i>	
REDUCED-ORDER MODELING OF LPV SYSTEMS IN THE LOEWNER FRAMEWORK.....	2863
<i>Ion Victor Gosea, Mihaly Petreczky, Athanasios C. Antoulas</i>	
LINEAR QUADRATIC GAUSSIAN CONTROL OF RANDOM ABSTRACT PARABOLIC SYSTEMS*	2870
<i>Mengsha Yao, Susan E. Luczak, I. G. Rosen</i>	
SLIDING MODE CONTROL FOR STABILIZATION AND DISTURBANCE REJECTION OF UNCERTAIN SYSTEMS WITH OUTPUT DELAYS VIA PREDICTOR AND SUPER- TWISTING OBSERVER.....	2876
<i>Hardy Pinto, Tiago Roux Oliveira, Liu Hsu, Miroslav Krstić</i>	
OPTIMAL BOUNDARY FEEDBACK CONTROL OF HIGH INTENSITY FOCUSED ULTRASOUND PROCESSES	2882
<i>Marcelo Bongarti, Irena Lasiecka, Jose H. Rodrigues</i>	
SAMPLED-DATA FEEDBACK CONTROL OF NONLINEAR PARABOLIC PDE SYSTEMS WITH MEASUREMENT ERRORS	2888
<i>Amr Zedan, Nael H. El-Farra</i>	
STABILITY ANALYSIS OF TWO-SPECIES PDE TRAFFIC MODELS IN CYBER-ATTACK SCENARIOS	2894
<i>Abhishek Kashyap, Animesh Chakravarthy, Prathyush P Menon</i>	
DN-ADMM: DISTRIBUTED NEWTON ADMM FOR MULTI-AGENT OPTIMIZATION	2901
<i>Yichuan Li, Nikolaos M. Freris, Petros Voulgaris, Dušan Stipanović</i>	
ASYNCHRONOUS ZERO-TH-ORDER DISTRIBUTED OPTIMIZATION WITH RESIDUAL FEEDBACK.....	2907
<i>Yi Shen, Yan Zhang, Scott Nivison, Zachary I. Bell, Michael M. Zavlanos</i>	

A NEW FAMILY OF FEASIBLE METHODS FOR DISTRIBUTED RESOURCE ALLOCATION	2913
<i>Xuyang Wu, Sindri Magnússon, Mikael Johansson</i>	
COMMUNICATION-EFFICIENT DECENTRALIZED LOCAL SGD OVER UNDIRECTED NETWORKS.....	2919
<i>Tiancheng Qin, S. Rasoul Etesami, César A. Uribe</i>	
AN ACCELERATED METHOD FOR DECENTRALIZED DISTRIBUTED STOCHASTIC OPTIMIZATION OVER TIME-VARYING GRAPHS.....	2925
<i>Alexander Rogozin, Mikhail Bochko, Pavel Dvurechensky, Alexander Gasnikov, Vladislav Lukoshkin</i>	
OPTIMAL STRUCTURED CONTROLLERS FOR SPATIALLY INVARIANT SYSTEMS: A CONVEX REFORMULATION	2932
<i>Juncal Arbeláiz, Bassam Bamieh, Anette E. Hosoi, Ali Jadbabaie</i>	
NETWORKED AGGREGATIVE GAMES WITH LINEAR CONVERGENCE.....	2939
<i>Rongping Zhu, Jiaqi Zhang, Keyou You</i>	
DISTRIBUTED ADAPTIVE NASH EQUILIBRIUM SEEKING OVER MULTI-AGENT NETWORKS WITH COMMUNICATION UNCERTAINTIES.....	2945
<i>Xiao Fang, Guanghui Wen, Jialing Zhou, Wei Xing Zheng</i>	
A DECENTRALIZED ALGORITHM FOR COORDINATION BETWEEN ECONOMIC DISPATCH AND DEMAND RESPONSE IN MULTI-ENERGY SYSTEMS.....	2951
<i>Zishun Liu, Shanying Zhu, Jinming Xu, Cailian Chen</i>	
DISTRIBUTED EVENT-TRIGGERED LEARNING-BASED CONTROL FOR NONLINEAR MULTI-AGENT SYSTEMS.....	2957
<i>Kam Fai Elvis Tsang, Karl Henrik Johansson</i>	
AN ASYNCHRONOUS APPROXIMATE DISTRIBUTED ALTERNATING DIRECTION METHOD OF MULTIPLIERS IN DIGRAPHS	2964
<i>Wei Jiang, Andreas Grammenos, Evangelia Kalyvianaki, Themistoklis Charalambous</i>	
COMPUTING COMPLEXITY-AWARE PLANS USING KOLMOGOROV COMPLEXITY	2972
<i>Elis Stefansson, Karl H. Johansson</i>	
ON THE SEMI-DECIDABILITY OF REMOTE STATE ESTIMATION AND STABILIZATION VIA NOISY COMMUNICATION CHANNELS.....	2980
<i>Holger Boche, Yannik Böck, Christian Deppe</i>	
INFORMATION FLOW IN MARKOV CHAINS	2988
<i>Xueyan Niu, Christopher J. Quinn</i>	
SENSOR MANAGEMENT FOR MULTITARGET TRACKING WITH LESS COMPUTATIONAL EFFORT USING THE PROBABILITY HYPOTHESIS DENSITY FILTER	2994
<i>Jorge G. Jimenez, Daniel J. Stilwell</i>	
STEALTHY TARGETED LOCAL COVERT ATTACKS ON CYBER-PHYSICAL SYSTEMS	3002
<i>Dina Mikhaylenko, Marcel Krames, Ping Zhang</i>	
ON THE CONFIDENTIALITY OF THE REFERENCE SIGNAL UNDER SENSOR ATTACKS	3008
<i>David Umsonst, Henrik Sandberg</i>	

STEALTHY CYBER-ATTACK DESIGN USING DYNAMIC PROGRAMMING	3014
<i>Sribalaji C. Anand, André M. H. Teixeira</i>	
DECENTRALIZED RESILIENT STATE-TRACKING	3020
<i>Yanwen Mao, Paulo Tabuada</i>	
THE IMPACT OF NETWORK DESIGN INTERVENTIONS ON CPS SECURITY	3026
<i>Pradeep Sharma Oruganti, Parinaz Naghizadeh, Qadeer Ahmed</i>	
A GENERALIZED LINDISTFLOW MODEL FOR POWER FLOW ANALYSIS	3033
<i>Jianqiao Huang, Bai Cui, Xinyang Zhou, Andrey Bernstein</i>	
STABILITY QUANTIFICATION FOR CONSENSUS-BASED POWER FLOW CONTROL BETWEEN TRANSMISSION AND DISTRIBUTION POWER SYSTEMS	3041
<i>Nan Xue, Ulrich Muenz, Zhihua Qu, Wei Sun</i>	
MATRIX PERTURBATION THEORY OF INTER-AREA OSCILLATIONS.....	3047
<i>J. Fritzsche, M. Tyloo, Ph. Jacquod</i>	
MONOTONICITY ANALYSIS OF DAY-AHEAD POWER SCHEDULING OF TWO STORAGE BATTERIES BASED ON PV INTERVAL PREDICTION	3053
<i>Masakazu Koike, Takayuki Ishizaki, Nacim Ramdani, Jun-ichi Imura</i>	
PROVABLY CORRECT CONTROLLER SYNTHESIS OF SWITCHED STOCHASTIC SYSTEMS WITH METRIC TEMPORAL LOGIC SPECIFICATIONS: A CASE STUDY ON POWER SYSTEMS	3059
<i>Zhe Xu, Yichen Zhang</i>	
THE MULTIPLE MODEL ADAPTIVE POWER SYSTEM STATE ESTIMATOR	3065
<i>Keith Moffat, Claire Tomlin</i>	
SUTRA: AN APPROACH TO MODELLING PANDEMICS WITH UNDETECTED (ASYMPTOMATIC) PATIENTS, AND APPLICATIONS TO COVID-19.....	3071
<i>Manindra Agrawal, Madhuri Kanitkar, Mathukumalli Vidyasagar</i>	
GENERALIZED EPIDEMIOLOGICAL COMPARTMENTAL MODELS: GUARANTEED BOUNDS VIA OPTIMAL CONTROL	3072
<i>Franco Blanchini, Paolo Bolzern, Patrizio Colaneri, Giuseppe De Nicolao, Giulia Giordano</i>	
INTERMITTENT NON-PHARMACEUTICAL STRATEGIES TO MITIGATE THE COVID-19 EPIDEMIC IN A NETWORK MODEL OF ITALY VIA CONSTRAINED OPTIMIZATION.....	3078
<i>Marco Coraggio, Shihao Xie, Francesco De Lellis, Giovanni Russo, Mario Di Bernardo</i>	
A TALE OF TWO DOSES: MODEL IDENTIFICATION AND OPTIMAL VACCINATION FOR COVID-19	3084
<i>Raphael Chinchilla, Guosong Yang, Murat K. Erdal, Ramon R. Costa, João P. Hespanha</i>	
DIFFERENTIABLE MOVING HORIZON ESTIMATION FOR ROBUST FLIGHT CONTROL	3091
<i>Bingheng Wang, Zhengtian Ma, Shupeng Lai, Lin Zhao, Tong Heng Lee</i>	
COLLISION AVOIDANCE AND RENDEZVOUS OF QUADRIC SURFACES MOVING ON PLANAR ENVIRONMENTS.....	3097
<i>Kashish Dhal, Abhishek Kashyap, Animesh Chakravarthy</i>	
MODEL ERROR PROPAGATION VIA LEARNED CONTRACTION METRICS FOR SAFE FEEDBACK MOTION PLANNING OF UNKNOWN SYSTEMS	3104
<i>Glen Chou, Necmiye Ozay, Dmitry Berenson</i>	

PATH-AWARE OPTIMISTIC OPTIMIZATION FOR A MOBILE ROBOT.....	3112
<i>Tudor Sântejudean, Lucian Buşoniu</i>	
REAL-TIME MANEUVER COMMAND GENERATION AND TRACKING FOR A MINIATURE FIXED-WING DRONE WITH A DUCTED-FAN UNIT	3119
<i>Su Cao, Xiangke Wang, Huangchao Yu</i>	
BOUNDED RATIONAL RRT-QX: MULTI-AGENT MOTION PLANNING IN DYNAMIC HUMAN-LIKE ENVIRONMENTS USING COGNITIVE HIERARCHY AND Q-LEARNING	3125
<i>Josh Netter, George P. Kontoudis, Kyriakos G. Vamvoudakis</i>	
LEARNING-BASED REPETITIVE PRECISION MOTION CONTROL WITH MISMATCH COMPENSATION.....	3131
<i>Efe C. Balta, Kira Barton, Dawn M. Tilbury, Alisa Rupenyan, John Lygeros</i>	
LINEAR SYSTEMS WITH NEURAL NETWORK NONLINEARITIES: IMPROVED STABILITY ANALYSIS VIA ACAUSAL ZAMES-FALB MULTIPLIERS	3137
<i>Patricia Pauli, Dennis Gramlich, Julian Berberich, Frank Allgöwer</i>	
COMMUNICATION TOPOLOGY CO-DESIGN IN GRAPH RECURRENT NEURAL NETWORK BASED DISTRIBUTED CONTROL	3145
<i>Fengjun Yang, Nikolai Matni</i>	
INVERSE REINFORCEMENT LEARNING: A CONTROL LYAPUNOV APPROACH.....	3153
<i>Samuel Tesfazgi, Armin Lederer, Sandra Hirche</i>	
PROBABILISTICALLY ROBUST BAYESIAN OPTIMIZATION FOR DATA-DRIVEN DESIGN OF ARBITRARY CONTROLLERS WITH GAUSSIAN PROCESS EMULATORS	3159
<i>Joel A. Paulson, Ketong Shao, Ali Mesbah</i>	
DATA-DRIVEN ONLINE CONVEX OPTIMIZATION FOR CONTROL OF DYNAMICAL SYSTEMS.....	3166
<i>Marko Nonhoff, Matthias A. Müller</i>	
BAYESIAN METHODS FOR THE IDENTIFICATION OF DISTRIBUTION NETWORKS.....	3172
<i>Jean-Sébastien Brouillon, Emanuele Fabbiani, Pulkit Nahata, Florian Dörfler, Giancarlo Ferrari-Trecate</i>	
BARRIER FUNCTION-BASED SAFE REINFORCEMENT LEARNING FOR EMERGENCY CONTROL OF POWER SYSTEMS	3178
<i>Thanh Long Vu, Sayak Mukherjee, Renke Huang, Qiuhua Huang</i>	
WIND POWER FORECASTING USING LSTMS.....	3184
<i>Sanjana Vijayshankar, Jennifer King, Peter Seiler</i>	
INFERRING POWER SYSTEM FREQUENCY OSCILLATIONS USING GAUSSIAN PROCESSES	3190
<i>Mana Jalali, Vassilis Kekatos, Siddharth Bhela, Hao Zhu</i>	
A NON-ITERATIVE PARTIAL LEAST SQUARES ALGORITHM FOR SUPERVISED LEARNING WITH COLLINEAR DATA.....	3197
<i>S. Joe Qin</i>	
LATENT VECTOR AUTOREGRESSIVE MODELING FOR REDUCED DIMENSIONAL DYNAMIC FEATURE EXTRACTION AND PREDICTION	3203
<i>S. Joe Qin</i>	

NONSTOCHASTIC BANDITS WITH INFINITELY MANY EXPERTS	3209
<i>X. Flora Meng, Tuhin Sarkar, Munther A. Dahleh</i>	
TOWARD ACTIVE SEQUENTIAL HYPOTHESIS TESTING WITH UNCERTAIN MODELS.....	3217
<i>James Z. Hare, César A. Uribe, Lance Kaplan, Ali Jadbabaie</i>	
ONLINE BAUM-WELCH ALGORITHM FOR HIERARCHICAL IMITATION LEARNING	3225
<i>Vittorio Giammarino, Ioannis Ch. Paschalidis</i>	
H 8 PERFORMANCE ANALYSIS AND DISTRIBUTED CONTROLLER SYNTHESIS FOR INTERCONNECTED LINEAR SYSTEMS FROM NOISY INPUT-STATE DATA	3231
<i>Tom R.V. Steentjes, Mircea Lazar, Paul M.J. Van den Hof</i>	
NEURAL DYNAMICAL SYSTEMS: BALANCING STRUCTURE AND FLEXIBILITY IN PHYSICAL PREDICTION	3237
<i>Viraj Mehta, Ian Char, Willie Neiswanger, Youngseog Chung, Andrew Nelson, Mark Boyer, Egemen Kolemen, Jeff Schneider</i>	
SEQUENTIAL GRADIENT-DESCENT OPTIMIZATION OF DATA-DEPENDENT, RANK- DEFICIENT COST FUNCTIONS WITH A UNIQUE COMMON GLOBAL MINIMIZER.....	3245
<i>Adam L. Bruce, Dennis S. Bernstein</i>	
CONJUGATE GRADIENT MIMO ITERATIVE LEARNING CONTROL USING DATA- DRIVEN STOCHASTIC GRADIENTS	3251
<i>Leontine Aarnoudse, Tom Oomen</i>	
BARRIER-CERTIFIED MODEL-LEARNING AND CONTROL OF UNCERTAIN LINEAR SYSTEMS USING EXPERIENCE REPLAY METHOD	3257
<i>Zahra Marvi, Bahare Kiumarsi</i>	
RECEDING HORIZON DIFFERENTIAL DYNAMIC PROGRAMMING UNDER PARAMETRIC UNCERTAINTY	3263
<i>Yuichiro Aoyama, Augustinos D. Saravanos, Evangelos A. Theodorou</i>	
A DYNAMIC PROGRAM FOR A TEAM OF TWO AGENTS WITH NESTED INFORMATION.....	3270
<i>Aditya Dave, Andreas A. Malikopoulos</i>	
DYNAMIC VOLTAGE-FREQUENCY OPTIMIZATION USING SIMULTANEOUS PERTURBATION STOCHASTIC APPROXIMATION	3276
<i>Evgenii Bogdanov, Alexander Bozhnyuk, David Bykov, Stanislav Sartasov, Anna Sergeenko, Oleg Granichin</i>	
PARTIALLY OBSERVED STEERING THE STATE OF LINEAR STOCHASTIC SYSTEMS.....	3282
<i>Ali Pakniyat, Panagiotis Tsiotras</i>	
GUARANTEED TRADE-OFFS IN DYNAMIC INFORMATION FLOW TRACKING GAMES	3288
<i>Maximilian Weininger, Kush Grover, Shruti Misra, Jan Křetínský</i>	
ON THE LINEAR CONVERGENCE OF NATURAL POLICY GRADIENT ALGORITHM.....	3296
<i>Sajad Khodadadian, Prakirt Raj Jhunjhunwala, Sushil Mahavir Varma, Siva Theja Maguluri</i>	
INFORMATION DESIGN FOR A NON-ATOMIC SERVICE SCHEDULING GAME.....	3302
<i>Nasimeh Heydaribeni, Ketan Savla</i>	
JOINT INFORMATION AND MECHANISM DESIGN FOR QUEUES WITH HETEROGENEOUS USERS	3308
<i>Nasimeh Heydaribeni, Achilleas Anastasopoulos</i>	

COALITION FORMATION IN CONSTANT SUM QUEUEING GAMES	3314
<i>Shiksha Singhal, Veeraruna Kavitha, Jayakrishnan Nair</i>	
BANDIT LEARNING FOR DYNAMIC COLONEL BLOTTO GAME WITH A BUDGET CONSTRAINT.....	3320
<i>Vincent Leon, S. Rasoul Etesami</i>	
LOSS-AVERSE BEHAVIOR MAY DESTABILIZE NASH EQUILIBRIUM: GENERALIZED STABILITY RESULTS FOR NONCOOPERATIVE AGENTS.....	3326
<i>Yuyue Yan, Tomohisa Hayakawa</i>	
A PRIMAL DECOMPOSITION APPROACH TO GLOBALLY COUPLED AGGREGATIVE OPTIMIZATION OVER NETWORKS.....	3332
<i>Yuanhanqing Huang, Jianghai Hu</i>	
SIMPLE ACCELERATION OF THE RIEMANNIAN STEEPEST DESCENT METHOD WITH THE ARMIJO CONDITION	3338
<i>Hiroyuki Sato</i>	
A NON-CONVEX ADAPTIVE REGULARIZATION APPROACH TO BINARY OPTIMIZATION	3346
<i>V. Cerone, S. M. Fosson, D. Regruto</i>	
SELF-HEALING FIRST-ORDER DISTRIBUTED OPTIMIZATION.....	3352
<i>Israel L. Donato Ridgley, Randy A. Freeman, Kevin M. Lynch</i>	
ROBUST OPTIMIZATION FRAMEWORK FOR TRAINING SHALLOW NEURAL NETWORKS USING REACHABILITY METHOD	3359
<i>Yejiang Yang, Weiming Xiang</i>	
REVISED SCLP-SIMPLEX ALGORITHM WITH APPLICATION TO LARGE-SCALE FLUID PROCESSING NETWORKS.....	3365
<i>Evgeny Shindin, Michael Masin, Gideon Weiss, Alexander Zadorojniy</i>	
CONVERGENCE PROPERTIES OF FAST QUASI-LPV MODEL PREDICTIVE CONTROL	3371
<i>Christian Hespe, Herbert Werner</i>	
IMPROVED SMALL GAIN CONDITIONS FOR INPUT-TO-STATE STABILITY WITH RESPECT TO MEASUREMENT FUNCTIONS: DISCRETE TIME NETWORKED SYSTEM.....	3377
<i>Yuanqiu Mo, Changbin Yu, Soura Dasgupta</i>	
ESTIMATING HIGH PROBABILITY REACHABLE SETS USING GAUSSIAN PROCESSES	3383
<i>Michael E. Cao, Matthieu Bloch, Samuel Coogan</i>	
ERGODICITY OF CONTROLLED STOCHASTIC NONLINEAR SYSTEMS UNDER INFORMATION CONSTRAINTS: REFINED BOUNDS VIA SPLITTING	3389
<i>Nicolas Garcia, Christoph Kawan, Serdar Yüksel</i>	
VIRTUAL NONHOLONOMIC CONSTRAINTS TO DAMP THE VARYING LENGTH PENDULUM SWING*	3395
<i>Sergej Čelikovský, Milan Anderle, Tomáš Vyhřídál</i>	
HOMOGENEITY-BASED FINITE-TIME STABILIZATION OF LINEAR DESCRIPTOR SYSTEMS.....	3403
<i>D. Konovalov, K. Zimenko, A. Belov, H. Wang</i>	

SERIAL INTERCONNECTIONS OF 1-CONTRACTING AND 2-CONTRACTING SYSTEMS	3408
<i>Ron Ofir, Michael Margaliot, Yoash Levron, Jean-Jacques Slotine</i>	
OBSERVABILITY OF SWITCHED BOOLEAN CONTROL NETWORKS VIA SET CONTROLLABILITY	3414
<i>Xiao Zhang, Min Meng, Yuanhua Wang, Daizhan Cheng</i>	
ROBUST OBSERVER DESIGN FOR LINEAR SWITCHED SYSTEMS BASED ON STRUCTURAL OBSERVABILITY CONDITIONS	3420
<i>Manuel Mera, Francisco Javier Bejarano</i>	
FINITE-TIME STABILIZATION OF SWITCHED SYSTEMS WITH UNSTABLE MODES	3426
<i>Kunal Garg, Dimitra Panagou</i>	
STABILIZATION OF NETWORKS OF SWITCHED DISSIPATIVE SYSTEMS THROUGH A SCATTERING TRANSFORMATION TECHNIQUE	3432
<i>Ilia G. Polushin</i>	
ON A NON-DETECTABLE RICCATI DIFFERENTIAL EQUATIONS ARISING FROM A FILTERING PROBLEMS OF MARKOV JUMP LINEAR SYSTEMS	3438
<i>Fortià V. Vergés, Marcelo D. Fragoso</i>	
A SWITCHING TECHNIQUE FOR OUTPUT FEEDBACK STABILIZATION AT AN UNOBSERVABLE TARGET	3444
<i>Lucas Brivadis, Ludovic Sacchelli</i>	
NEGATIVE IMAGINARY STATE FEEDBACK EQUIVALENCE FOR SYSTEMS OF RELATIVE DEGREE ONE AND RELATIVE DEGREE TWO	3450
<i>Kanghong Shi, Ian R. Petersen, Igor G. Vladimirov</i>	
A DISTRIBUTIONALLY ROBUST LQR FOR SYSTEMS WITH MULTIPLE UNCERTAIN PLAYERS	3456
<i>Ioannis Tzortzis, Charalambos D. Charalambous, Christoforos N. Hadjicostis</i>	
REDUCED-ORDER DYNAMIC MODELING AND ROBUST NONLINEAR CONTROL OF FLUID FLOW VELOCITY FIELDS.....	3462
<i>Anu Kossery Jayaprakash, William MacKunis, Vladimir Golubev, Oksana Stalnov</i>	
DESIGN OF INTERVAL OBSERVERS FOR UNCERTAIN LINEAR IMPULSIVE SYSTEMS	3468
<i>Kwassi H. Degue, Denis Efimov, Jerome Le Ny, Sandra Hirche</i>	
ON STATE-ESTIMATION IN WEAKLY-OBSERVABLE SCENARIOS AND IMPLICITLY REGULARIZED OBSERVERS	3474
<i>Andreu Cecilia, Ramon Costa-Castelló</i>	
INTERVAL ESTIMATION FOR DISCRETE-TIME LINEAR PARAMETER-VARYING SYSTEM WITH UNKNOWN INPUTS	3480
<i>Thomas Chevet, Thach Ngoc Dinh, Julien Marzat, Tarek Raïssi</i>	
DISTRIBUTED STATE ESTIMATION OF LINEAR SYSTEMS UNDER UNIFORMLY CONNECTED SWITCHING NETWORKS	3486
<i>Lan Zhang, Maobin Lu, Fang Deng, Jie Chen</i>	
ON THE ESTIMATION OF UNKNOWN INPUT AND OUTPUT DISTURBANCES IN DISCRETE-TIME LINEAR SYSTEMS	3492
<i>Badriah Alenezi, Mukai Zhang, Stefen Hui, Stanislaw H. Żak</i>	

FEEDBACK DESIGN OF SPATIALLY-DISTRIBUTED FILTERS WITH TUNABLE RESOLUTION	3498
<i>Alessio Franci</i>	
INPUT-TO-STATE STABILITY IN DIFFERENT NORMS FOR 1-D PARABOLIC PDES.....	3504
<i>Jun Zheng, Guchuan Zhu</i>	
ESTIMATION OF THE POTENTIAL IN A 1D WAVE EQUATION VIA EXPONENTIAL OBSERVERS.....	3510
<i>Constantinos Kitsos, Mathieu Bajodek, Lucie Baudouin</i>	
LOCAL EXPONENTIAL STABILIZATION OF NONLINEAR INFINITE-DIMENSIONAL SYSTEMS.....	3516
<i>Anthony Hastir, Joseph J. Winkin, Denis Dochain</i>	
ADAPTIVE NN-BASED REFERENCE-TRACKING CONTROL OF UNCERTAIN NONLINEAR PARABOLIC PDE SYSTEMS.....	3524
<i>Jingting Zhang, Yan Gu, Paolo Stegagno, Wei Zeng, Chengzhi Yuan</i>	
APPLICATION OF WASSERSTEIN ATTRACTION FLOWS FOR OPTIMAL TRANSPORT IN NETWORK SYSTEMS	3530
<i>Ferran Arqu�, C�sar A. Uribe, Carlos Ocampo-Martinez</i>	
SAFE MODEL-FREE OPTIMAL VOLTAGE CONTROL VIA CONTINUOUS-TIME ZERO-ORDER METHODS	3536
<i>Xin Chen, Jorge. I. Poveda, N. Li</i>	
MODEL REFERENCE ADAPTIVE CONTROL FOR ONLINE POLICY ADAPTATION AND NETWORK SYNCHRONIZATION	3543
<i>M. F. Arevalo-Castiblanco, C�sar A. Uribe, E. Mojica-Nava</i>	
DISTRIBUTED ESTIMATION OF SPARSE INVERSE COVARIANCES	3549
<i>Tong Yao, Shreyas Sundaram</i>	
ONLINE FEDERATED LEARNING.....	3555
<i>Aritra Mitra, Hamed Hassani, George J. Pappas</i>	
CONTROLLABILITY OF SOBOLEV-TYPE LINEAR ENSEMBLE SYSTEMS.....	3563
<i>Wei Zhang, Lin Tie, Jr-Shin Li</i>	
CONSTRAINT REMOVAL FOR MPC WITH PERFORMANCE PRESERVATION AND A HYPERTHERMIA CANCER TREATMENT CASE STUDY	3569
<i>S. A. N. Nouwens, B. de Jager, M. M. Paulides, W. P. M. H. Heemels</i>	
MODEL PREDICTIVE CONTROL OF FISH SCHOOLING MODEL WITH REDUCED-ORDER PREDICTION	3575
<i>Masaki Ogura, Naoki Wakamiya</i>	
PIECEMEAL REDUCTION OF MODELS OF LARGE NETWORKS	3581
<i>Benjamin L. Francis, Mark K. Transtrum, Andrija T. Sari�, Aleksandar M. Stankovi�</i>	
REINFORCEMENT LEARNING VS. GRADIENT-BASED OPTIMISATION FOR ROBUST ENERGY LANDSCAPE CONTROL OF SPIN-1/2 QUANTUM NETWORKS	3587
<i>I. Khalid, C. A. Weidner, E. A. Jonckheere, S. G. Schirmer, F. C. Langbein</i>	

OPTIMAL QUANTUM DETECTOR TOMOGRAPHY VIA LINEAR REGRESSION ESTIMATION*.....	3594
<i>Shuixin Xiao, Yuanlong Wang, Daoyi Dong, Jun Zhang</i>	
ON HOW NEURAL NETWORKS ENHANCE QUANTUM STATE TOMOGRAPHY WITH LIMITED RESOURCES*.....	3600
<i>Hailan Ma, Daoyi Dong, Ian R. Petersen</i>	
MULTI-PORT IMPEDANCE QUANTIZATION FOR A CLASS OF ANNIHILATION OPERATOR LINEAR QUANTUM SYSTEMS	3606
<i>Aline I. Maalouf, Ian R. Petersen</i>	
ROBUSTNESS OF QUANTUM SYSTEMS SUBJECT TO DECOHERENCE: STRUCTURED SINGULAR VALUE ANALYSIS?.....	3612
<i>S. G. Schirmer, F. C. Langbein, C. A. Weidner, E. A. Jonckheere</i>	
FROM THE HEISENBERG TO THE SCHRÖDINGER PICTURE: QUANTUM STOCHASTIC PROCESSES AND PROCESS TENSORS.....	3618
<i>Hendra I. Nurdin, John Gough</i>	
DATA-DRIVEN COVERT-ATTACK STRATEGIES AND COUNTERMEASURES FOR CYBER-PHYSICAL SYSTEMS	3624
<i>Mahdi Taheri, Khashayar Khorasani, Iman Shames, Nader Meskin</i>	
DESIGN OF MULTIPLICATIVE WATERMARKING AGAINST COVERT ATTACKS.....	3630
<i>Alexander J. Gallo, Sribalaji C. Anand, André M. H. Teixeira, Riccardo M. G. Ferrari</i>	
A SPECIAL CLASS OF ZERO DYNAMICS CYBER-ATTACKS FOR SISO TIME-DELAY SYSTEMS.....	3636
<i>Amir Baniamerian, Khashayar Khorasani, Nader Meskin</i>	
CRITICAL-TIME ANALYSIS OF CYBER-PHYSICAL SYSTEMS SUBJECT TO ACTUATOR ATTACKS AND FAULTS	3642
<i>Arthur Perodou, Christophe Combastel, Ali Zolghadri</i>	
PRIVACY-PRESERVING STEALTHY ATTACK DETECTION IN MULTI-AGENT CONTROL SYSTEMS.....	3648
<i>Mohammad Bahrani, Hamidreza Jafarnejadsani</i>	
SWITCHING WATERMARKING-BASED DETECTION SCHEME AGAINST REPLAY ATTACKS	3654
<i>Lijing Zhai, Kyriakos G. Vamvoudakis, Jérôme Hugues</i>	
TRACTABLE ROBUST DRINKING WATER PUMPING TO PROVIDE POWER NETWORK VOLTAGE SUPPORT.....	3660
<i>Anna Stuhlmacher, Line A. Roald, Johanna L. Mathieu</i>	
LINEARIZED THREE-PHASE OPTIMAL POWER FLOW MODELS FOR DISTRIBUTION GRIDS WITH VOLTAGE UNBALANCE	3668
<i>Kshitij Girigoudar, Line A. Roald</i>	
NONLINEAR KOOPMAN OBSERVABILITY MEASURES ON SUBSETS OF POWER SYSTEM STATE VARIABLES.....	3676
<i>Marcos Alfredo Hernández-Ortega, Aranya Chakraborty, Arturo Román Messina, Carlos Morales Rergis</i>	

A STABILITY RESULT FOR NETWORK REDUCED POWER SYSTEMS INCLUDING VIRTUAL FRICTION CONTROL	3682
<i>Florian Reissner, Hang Yin, George Weiss</i>	
DATA-DRIVEN MODELING OF POWER NETWORKS1	3690
<i>Bitu Safaee, Serkan Gugercin</i>	
NECESSITY OF LOSSLESS TRANSMISSION AND CONVEXITY OF POTENTIAL ENERGY FUNCTION FOR EQUILIBRIUM INDEPENDENT PASSIVITY OF POWER SYSTEMS	3696
<i>Takayuki Ishizaki, Aranya Chakraborty</i>	
SWITCHING LOGISTIC MAPS TO DESIGN CYCLING APPROACHES AGAINST ANTIMICROBIAL RESISTANCE	3702
<i>E.A. Hernandez-Vargas, C. Parra-Rojas, S. Olaru</i>	
LOCKDOWN INTERVENTIONS IN SIR MODELS: IS THE REPRODUCTION NUMBER THE RIGHT CONTROL VARIABLE?	3708
<i>Leonardo Cianfanelli, Francesca Parise, Daron Acemoglu, Giacomo Como, Asuman Ozdaglar</i>	
THE EFFECT OF POPULATION FLOW ON EPIDEMIC SPREAD: ANALYSIS AND CONTROL	3714
<i>Brooks Butler, Ciyuan Zhang, Ian Walter, Nishant Nair, Raphael Stern, Philip E. Paré</i>	
OPTIMAL POLICY DESIGN TO MITIGATE EPIDEMICS ON NETWORKS USING AN SIS MODEL	3720
<i>Carlo Cenedese, Lorenzo Zino, Michele Cucuzzella, Ming Cao</i>	
CONTROL OF EPIDEMIC SPREADS VIA TESTING AND LOCK-DOWN	3726
<i>Subhonmesh Bose, Sebastian Souyris, Ujjal K. Mukherjee, Anton Ivanov, Sridhar Seshadri, Albert C. England, Yuqian Xu</i>	
DISEASE SPREAD COUPLED WITH EVOLUTIONARY SOCIAL DISTANCING DYNAMICS CAN LEAD TO GROWING OSCILLATIONS	3734
<i>Hossein Khazaei, Keith Paarporn, Alfredo Garcia, Ceyhan Eksin</i>	
TIME-OPTIMAL NAVIGATION IN UNCERTAIN ENVIRONMENTS WITH HIGH-LEVEL SPECIFICATIONS	3741
<i>Ugo Rosolia, Mohamadreza Ahmadi, Richard M. Murray, Aaron D. Ames</i>	
CONVERGENCE OF PROBABILISTIC AUTOMATIC NEGOTIATION: MUTUAL MAXIMUM LIKELIHOOD ESTIMATION	3749
<i>Koji Tsumura</i>	
AN EVENT-TRIGGERED DISTRIBUTED GENERALIZED NASH EQUILIBRIUM SEEKING ALGORITHM	3755
<i>Wenying Xu, Shaofu Yang, Sergio Grammatico, Wangli He</i>	
REAL-TIME RISK-BOUNDED TUBE-BASED TRAJECTORY SAFETY VERIFICATION	3761
<i>Ashkan Jasour, Weiqiao Han, Brian Williams</i>	
EQUILIBRATION ANALYSIS AND CONTROL OF COORDINATING DECISION-MAKING POPULATIONS	3768
<i>Negar Sakhaei, Zeinab Maleki, Pouria Ramazi</i>	

OPTIMAL STRATEGIES FOR GUARDING A COMPACT AND CONVEX TARGET SET: A DIFFERENTIAL GAME APPROACH	3774
<i>Yoonjae Lee, Efstathios Bakolas</i>	
NONLINEAR DATA-DRIVEN CONTROL FOR STABILIZING PERIODIC ORBITS	3780
<i>Ahmet Cetinkaya, Masako Kishida</i>	
DATA-DRIVEN DISTRIBUTIONALLY ROBUST CONTROL OF PARTIALLY OBSERVABLE JUMP LINEAR SYSTEMS	3786
<i>Mathijs Schuurmans, Panagiotis Patrinos</i>	
DATA-DRIVEN CONTROL OF NONLINEAR SYSTEMS: BEYOND POLYNOMIAL DYNAMICS.....	3792
<i>Robin Strässer, Julian Berberich, Frank Allgöwer</i>	
ON THE SYNTHESIS OF BELLMAN INEQUALITIES FOR DATA-DRIVEN OPTIMAL CONTROL	3800
<i>Andrea Martinelli, Matilde Gargiani, John Lygeros</i>	
DATA-DRIVEN MULTIRATE PREDICTIVE CONTROL OF POWER INVERTERS BASED ON KINKY INFERENCE	3806
<i>Joaquín G. Ordoñez, J. M. Nadales, Daniel Limon, Francisco Gordillo</i>	
DEEP LEARNING-BASED LUENBERGER OBSERVER DESIGN FOR DISCRETE-TIME NONLINEAR SYSTEMS.....	3812
<i>Johan Peralez, Madiha Nadri</i>	
DEEP KKL: DATA-DRIVEN OUTPUT PREDICTION FOR NON-LINEAR SYSTEMS	3818
<i>Steeven Janny, Vincent Andrieu, Madiha Nadri, Christian Wolf</i>	
SCENARIO-BASED COLLISION AVOIDANCE CONTROL WITH DEEP Q-NETWORKS FOR INDUSTRIAL ROBOT MANIPULATORS	3824
<i>Nikolas Sacchi, Bianca Sangiovanni, Gian Paolo Incremona, Antonella Ferrara</i>	
A TRIGGER EXPLORATION METHOD FOR BACKDOOR ATTACKS ON DEEP LEARNING-BASED TRAFFIC CONTROL SYSTEMS	3830
<i>Yue Wang, Michail Maniatakos, Saif Eddin Jabari</i>	
DATA-DRIVEN FEEDBACK STABILIZATION OF SWITCHED LINEAR SYSTEMS WITH PROBABILISTIC STABILITY GUARANTEES	3836
<i>Zheming Wang, Guillaume O. Berger, Raphaël M. Jungers</i>	
DISTRIBUTED LEARNING CONSENSUS CONTROL FOR UNKNOWN NONLINEAR MULTI-AGENT SYSTEMS BASED ON GAUSSIAN PROCESSES	3842
<i>Zewen Yang, Stefan Sosnowski, Qingchen Liu, Junjie Jiao, Armin Lederer, Sandra Hirche</i>	
LEARNING-DRIVEN NONLINEAR OPTIMAL CONTROL VIA GAUSSIAN PROCESS REGRESSION	3848
<i>Lorenzo Sforzi, Ivano Notarnicola, Giuseppe Notarstefano</i>	
CAPTURING POWER SYSTEM DYNAMICS BY PHYSICS-INFORMED NEURAL NETWORKS AND OPTIMIZATION.....	3854
<i>Georgios S. Misyris, Jochen Stiasny, Spyros Chatzivasileiadis</i>	
APPROXIMATE OBSERVABILITY AND BACK AND FORTH OBSERVER OF A PDE MODEL OF CRYSTALLIZATION PROCESS	3860
<i>Lucas Brivadis, Ludovic Sacchelli</i>	

OPTIMAL INPUT DESIGN THROUGH INFINITY NORM MINIMIZATION USING PROXIMAL MAPPING	3866
<i>Javad Parsa, Håkan Hjalmarsson</i>	
PARTIAL TRAJECTORY MUTUAL INFORMATION FLOW IN A SMALL POINT PROCESS NETWORK	3872
<i>Victor Solo, Ahmed Pasha</i>	
MULTIPLE TARGET TRACKING ON SE(2) USING RECURSIVE-RANSAC.....	3878
<i>Mark E. Petersen, Randal W. Beard</i>	
DATA-DRIVEN SOFT SENSORS USING FACTOR GRAPHS AND GAUSSIAN MIXTURE MODELS	3884
<i>Andreas Gienger, Oliver Sawodny</i>	
ON ANDERSON ACCELERATION FOR PARTIALLY OBSERVABLE MARKOV DECISION PROCESSES	3890
<i>Melike Ermis, Mingyu Park, Insoon Yang</i>	
DUAL FORMULATION FOR CHANCE CONSTRAINED STOCHASTIC SHORTEST PATH WITH APPLICATION TO AUTONOMOUS VEHICLE BEHAVIOR PLANNING	3898
<i>Rashid Alyassi, Majid Khonji</i>	
VORONOI PROGRESSIVE WIDENING: EFFICIENT ONLINE SOLVERS FOR CONTINUOUS STATE, ACTION, AND OBSERVATION POMDPS	3905
<i>Michael H. Lim, Claire J. Tomlin, Zachary N. Sunberg</i>	
SEMIPARAMETRIC INFORMATION STATE EMBEDDING FOR POLICY SEARCH UNDER IMPERFECT INFORMATION	3913
<i>Sujay Bhatt, Weichao Mao, Alec Koppel, Tamer Başar</i>	
SELF-TRIGGERED MARKOV DECISION PROCESSES.....	3919
<i>Yunhan Huang, Quanyan Zhu</i>	
INCENTIVE DESIGN FOR CONGESTION GAMES WITH UNINCENTIVIZABLE USERS	3927
<i>Yixiao Yue, Bryce L. Ferguson, Jason R. Marden</i>	
MISSION LEVEL UNCERTAINTY IN MULTI-AGENT RESOURCE ALLOCATION.....	3933
<i>Rohit Konda, Rahul Chandan, Jason R. Marden</i>	
A METROPOLIS-HASTINGS ALGORITHM FOR TASK ALLOCATION.....	3939
<i>Doha Hamza, Sarah Toonsi, Jeff S. Shamma</i>	
ASYMPTOTIC SECURITY BY MODEL-BASED INCIDENT HANDLERS FOR MARKOV DECISION PROCESSES	3946
<i>Hampei Sasahara, Henrik Sandberg</i>	
THE GENERALIZED ELVIS PROBLEM: SOLVING MINIMAL TIME PROBLEMS IN ANISOTROPIC MEDIUMS	3952
<i>Peter R. Wolenski</i>	
ON THE PROPERTIES OF THE VALUE FUNCTION ASSOCIATED TO A MEAN-FIELD OPTIMAL CONTROL PROBLEM OF BOLZA TYPE*.....	3958
<i>Benoît Bonnet, H�el�ene Frankowska</i>	
A NEW LOOK AT THE WEIERSTRASS CONDITION IN OPTIMAL CONTROL	3964
<i>P. Bettiol, R. B. Vinter</i>	

LEARNING OPTIMAL CONTROLLERS BY POLICY GRADIENT: GLOBAL OPTIMALITY VIA CONVEX PARAMETERIZATION	3970
<i>Yue Sun, Maryam Fazel</i>	
PRACTICAL PRESCRIBED-TIME STABILIZATION AND TRACKING FOR UNCERTAIN NONLINEAR SYSTEMS WITH DISTURBANCE INPUTS	3976
<i>P. Krishnamurthy, F. Khorrami</i>	
ACCESSIBILITY AND ORBITS FOR DISCRETE-TIME NONLINEAR CONTROL SYSTEMS	3982
<i>Zbigniew Bartosiewicz, Ülle Kotta, Malgorzata Wyrwas</i>	
SHAPING OSCILLATIONS VIA MIXED FEEDBACK	3990
<i>Weiming Che, Fulvio Forni</i>	
ON THE EQUIVALENCE OF CONTRACTION AND KOOPMAN APPROACHES FOR NONLINEAR STABILITY AND CONTROL	3997
<i>Bowen Yi, Ian R. Manchester</i>	
CONVEX OPTIMAL CONTROL SYNTHESIS UNDER SAFETY CONSTRAINTS	4003
<i>Hongzhe Yu, Joseph Moyalán, Duvan Tellez-Castro, Umesh Vaidya, Yongxin Chen</i>	
PLANNING A HAEMODIALYSIS PROCESS BY MINIMUM TIME CONTROL OF HYBRID SYSTEMS WITH SLIDING MOTION	4010
<i>Radosław Pytlak, Damian Suski</i>	
AIMD SCHEDULING AND RESOURCE ALLOCATION IN DISTRIBUTED COMPUTING SYSTEMS	4018
<i>Eleftherios Vlahakis, Nikolaos Athanasopoulos, Seán McLoone</i>	
PARAMETER ESTIMATION FOR HYBRID DYNAMICAL SYSTEMS USING HYBRID GRADIENT DESCENT	4024
<i>Ryan S. Johnson, Stefano Di Cairano, Ricardo G. Sanfelice</i>	
ROBUST FINITE-TIME PARAMETER ESTIMATION FOR LINEAR DYNAMICAL SYSTEMS	4030
<i>Ryan S. Johnson, Adnane Saoud, Ricardo G. Sanfelice</i>	
TRANSITIONS FOR THE RIMLESS WHEEL ON FLAT TERRAIN	4036
<i>Vishal Murali, Erik I. Verriest</i>	
FINITE-TIME STABILIZATION UNDER STATE CONSTRAINTS	4040
<i>Artem N. Nekhoroshikh, Denis Efimov, Andrey Polyakov, Wilfrid Perruquetti, Igor B. Furtat</i>	
MODEL-BASED ACTOR-CRITIC WITH CHANCE CONSTRAINT FOR STOCHASTIC SYSTEM	4046
<i>Baiyu Peng, Yao Mu, Yang Guan, Shengbo Eben Li, Yuming Yin, Jianyu Chen</i>	
EVENT-TRIGGERED LUENBERGER OBSERVER FOR NONLINEAR SYSTEMS	4053
<i>Branislav Reháč, Volodymyr Ljnyyk</i>	
NONLINEAR ATTITUDE ESTIMATION USING INTERMITTENT LINEAR VELOCITY AND VECTOR MEASUREMENTS	4059
<i>Miaomiao Wang, Abdelhamid Tayebi</i>	
OUTPUT FEEDBACK CONTROL OF DC-DC CONVERTERS WITH UNKNOWN LOAD: AN APPLICATION OF I&I BASED FILTERED TRANSFORMATION	4065
<i>Mehdi Tavan, Kamel Sabahi, Amin Hajizadeh, Mohsen Soltani, Mehdi Savaghebi</i>	

AUTONOMOUS ERROR AND CONSTRUCTIVE OBSERVER DESIGN FOR GROUP AFFINE SYSTEMS.....	4070
<i>Pieter van Goor, Robert Mahony</i>	
ADMISSIBILITY ANALYSIS OF DESCRIPTOR DELAY SYSTEMS: TRANSFORMATION MODEL.....	4078
<i>Hicham El Aiss, Karina A. Barbosa, Ahmed El Hajjaji, Abdelaziz Hmamed</i>	
LYAPUNOV–KRASOVSKII FUNCTIONALS FOR A CLASS OF HOMOGENEOUS PERTURBED NONLINEAR TIME DELAY SYSTEMS.....	4083
<i>Gerson Portilla, Irina V. Alexandrova, Sabine Mondié</i>	
ON STABILIZATION OF NONLINEAR TIME–DELAY SYSTEMS VIA QUANTIZED SAMPLED–DATA DYNAMIC OUTPUT FEEDBACK CONTROLLERS	4089
<i>M. Di Ferdinando, P. Pepe, S. Di Gennaro</i>	
NON-CONSERVATIVE CHARACTERIZATION OF BOUNDED REAL LEMMA FOR INTERVAL DELAY SYSTEMS.....	4095
<i>Akira Kojima, Kotaro Hashikura</i>	
CONIC SECTOR BASED STABILITY CRITERIA FOR TIME-DELAY SYSTEMS	4102
<i>Zheng Gong, Leila Jasmine Bridgeman</i>	
SEQUENTIAL PREDICTORS FOR STABILIZATION OF BILINEAR SYSTEMS UNDER MEASUREMENT UNCERTAINTY	4108
<i>Indra Bhogaraju, Mehdi Farasat, Michael Malisoff</i>	
ADDITIVE NETWORKS OF CHEN-FLIESS SERIES: LOCAL CONVERGENCE AND RELATIVE DEGREE.....	4114
<i>W. Steven Gray, Luis A. Duffaut Espinosa, Kurusch Ebrahimi-Fard</i>	
NETWORK CONNECTIVITY MAINTENANCE VIA NONSMOOTH CONTROL BARRIER FUNCTIONS.....	4120
<i>Pio Ong, Beatrice Capelli, Lorenzo Sabattini, Jorge Cortés</i>	
BOUNDARY CONTROL FOR STABILIZATION OF LARGE-SCALE NETWORKS THROUGH THE CONTINUATION METHOD.....	4126
<i>Denis Nikitin, Carlos Canudas-de-Wit, Paolo Frasca</i>	
DISTRIBUTED ALGORITHMS FOR VERIFYING AND ENSURING STRONG CONNECTIVITY OF DIRECTED NETWORKS.....	4132
<i>Made Widhi Surya Atman, Azwirman Gusrialdi</i>	
ON OPTIMAL CLEARING PAYMENTS IN FINANCIAL NETWORKS	4138
<i>Giuseppe Calafiore, Giulia Fracastoro, Anton V. Proskurnikov</i>	
CONSTRUCTION OF ISS LYAPUNOV FUNCTIONS FOR INFINITE NETWORKS OF ISS SYSTEMS.....	4145
<i>Christoph Kawan, Andrii Mironchenko, Majid Zamani</i>	
A SMALL-GAIN APPROACH TO ISS OF INFINITE NETWORKS WITH HOMOGENEOUS GAIN OPERATORS.....	4151
<i>Andrii Mironchenko, Navid Noroozi, Christoph Kawan, Majid Zamani</i>	
PLUG-AND-PLAY NETWORKS: ADDING VERTICES AND CONNECTIONS TO PRESERVE ALGEBRAIC CONNECTIVITY.....	4157
<i>Sonja Stüdli, Yamin Yan, Maria M. Seron, Richard H. Middleton</i>	

ROLLING HORIZON GAMES FOR CLUSTER FORMATION OF RESILIENT MULTIAGENT SYSTEMS.....	4163
<i>Yurid Nugraha, Ahmet Cetinkaya, Tomohisa Hayakawa, Hideaki Ishii, Quanyan Zhu</i>	
EMINENCE IN NOISY BILINEAR NETWORKS	4169
<i>Arthur Castello B. de Oliveira, Milad Siami, Eduardo D. Sontag</i>	
RISK OF CASCADING FAILURES IN TIME-DELAYED VEHICLE PLATOONING*	4175
<i>Guangyi Liu, Christoforos Somarakis, Nader Motee</i>	
CONTROLSYSTEMS.JL: A CONTROL TOOLBOX IN JULIA	4181
<i>Fredrik Bagge Carlson, Mattias Fält, Albin Heimerson, Olof Troeng</i>	
DAKOTA AND PYOMO FOR CLOSED AND OPEN BOX CONTROLLER GAIN TUNING	4188
<i>Kyle R. Williams, J. Justin Wilbanks, Rachel Schlossman, David Kozłowski, Julie Parish</i>	
CUDA FOR RAPID CONTROLLER ROBUSTNESS EVALUATION: A TUTORIAL.....	4195
<i>Manan Gandhi, Rachel Schlossman, Kyle A. Williams, Ryan Melzer, Julie Parish</i>	
BENCHMARKS FOR GRID ENERGY MANAGEMENT WITH PYTHON GEKKO.....	4202
<i>Nathaniel S. Gates, Daniel C. Hill, Blake W. Billings, Kody M. Powell, John D. Hedengren</i>	
THE PYTHON CONTROL SYSTEMS LIBRARY (PYTHON-CONTROL)	4209
<i>Sawyer Fuller, Ben Greiner, Jason Moore, Richard Murray, René van Paassen, Rory Yorke</i>	
MULTI-PARTY COMPUTATION ENABLES SECURE POLYNOMIAL CONTROL BASED SOLELY ON SECRET-SHARING	4216
<i>Sebastian Schlor, Michael Hertneck, Stefan Wildhagen, Frank Allgöwer</i>	
PRIVACY ENHANCEMENT OF STRUCTURED INPUTS IN CYBER-PHYSICAL SYSTEMS	4222
<i>Rijad Alisic, Henrik Sandberg</i>	
PRIVATE COMPUTATION OF POLYNOMIALS OVER NETWORKS.....	4229
<i>Teimour Hossienalizadeh, Fatih Turkmen, Nima Monshizadeh</i>	
ENCRYPTED DISTRIBUTED LASSO FOR SPARSE DATA PREDICTIVE CONTROL.....	4235
<i>Andreea B. Alexandru, Anastasios Tsiamis, George J. Pappas</i>	
SECURE LEARNING-BASED MPC VIA GARBLED CIRCUIT	4241
<i>Katrine Tjell, Nils Schlüter, Philipp Binfet, Moritz Schulze Darup</i>	
HOMOMORPHIC ENCRYPTION-ENABLED DISTANCE-BASED DISTRIBUTED FORMATION CONTROL WITH DISTANCE MISMATCH ESTIMATORS	4249
<i>Mariano Perez Chaher, Bayu Jayawardhana, Junsoo Kim</i>	
AN INVERSE NASH MEAN FIELD GAME-BASED STRATEGY FOR THE DECENTRALIZED CONTROL OF THERMOSTATIC LOADS.....	4257
<i>Quentin Lénet, Md Salman Nazir, Roland P. Malhamé</i>	
MARGINAL VALUE OF MOBILE ENERGY STORAGE IN POWER NETWORK	4264
<i>Utkarsha Agwan, Junjie Qin, Kameshwar Poolla, Pravin Varaiya</i>	
UNCOVERING THE KURAMOTO MODEL FROM FULL-ORDER MODELS OF GRID-FORMING INVERTER-BASED POWER NETWORKS.....	4272
<i>Olaoluwapo Ajala, Nathan Baeckeland, Sairaj Dhople, Alejandro Domínguez-García</i>	

A FEASIBLE AND STABLE DISTRIBUTED INTERACTIVE CONTROL DESIGN IN ENERGY STATE SPACE	4278
<i>Rupamathi Jaddivada, Marija D. Ilic</i>	
OPTIMAL OPERATION OF RENEWABLE ENERGY MICROGRIDS CONSIDERING LIFETIME CHARACTERISTICS OF BATTERY ENERGY STORAGE SYSTEM	4286
<i>Muhammad Shehzad, Florimond Gueniat</i>	
ACHIEVING CONSENSUS IN SPITE OF STUBBORNNNESS: TIME-VARYING CONCATENATED FRIEDKIN-JOHNSEN MODELS	4292
<i>L. Wang, C. Bernardo, Y. Hong, F. Vasca, G. Shi, C. Altafini</i>	
PERSUASION, NEWS SHARING, AND CASCADES ON SOCIAL NETWORKS	4298
<i>Chin-Chia Hsu, Amir Ajorlou, Ali Jadbabaie</i>	
ON MODELING SOCIAL DIFFUSION UNDER THE IMPACT OF DYNAMIC NORMS	4304
<i>Lorenzo Zino, Mengbin Ye, Ming Cao</i>	
EQUILIBRIA AND LEARNING DYNAMICS IN MIXED NETWORK COORDINATION/ANTI-COORDINATION GAMES	4310
<i>Laura Arditti, Giacomo Como, Fabio Fagnani, Martina Vanelli</i>	
COMPRESSIBILITY OF NETWORK OPINION AND SPREAD STATES IN THE LAPLACIAN-EIGENVECTOR BASIS	4316
<i>Sandip Roy, Mengran Xue</i>	
CONTROL OF AGREEMENT AND DISAGREEMENT CASCADES WITH DISTRIBUTED INPUTS	4322
<i>Anastasia Bizyaeva, Timothy Sorochkin, Alessio Franci, Naomi Ehrich Leonard</i>	
COOPERATION-AWARE DECISION MAKING FOR AUTONOMOUS VEHICLES IN MERGE SCENARIOS	4328
<i>Kaiwen Liu, Nan Li, H. Eric Tseng, Ilya Kolmanovsky, Anouck Girard, Dimitar Filev</i>	
TIME-OPTIMAL PATH PLANNING IN AN EVOLVING OCEAN WAVE FIELD BASED ON REACHABILITY THEORY	4335
<i>Y. M. H. Xiao, Y. Pan</i>	
AN ITERATIVE ALGORITHM FOR VOLUME MAXIMIZATION OF N-STEP BACKWARD REACHABLE SETS FOR CONSTRAINED LINEAR TIME-VARYING SYSTEMS*	4343
<i>Stefan Kojchev, Ankit Gupta, Robert Hult, Jonas Fredriksson</i>	
FEDERATED LEARNING FOR COLLABORATIVE CONTROLLER DESIGN OF CONNECTED AND AUTONOMOUS VEHICLES	4349
<i>Tengchan Zeng, Omid Semiari, Mingzhe Chen, Walid Saad, Mehdi Bennis</i>	
FUNDAMENTAL LEMMA FOR DATA-DRIVEN ANALYSIS OF LINEAR PARAMETER-VARYING SYSTEMS	4355
<i>Chris Verhoek, Roland Tóth, Sofie Haesaert, Anne Koch</i>	
DATA-DRIVEN MODELING AND CONTROL DESIGN IN A HIERARCHICAL STRUCTURE FOR A VARIABLE-GEOMETRY SUSPENSION TEST BED	4362
<i>Dániel Fényes, Balázs Németh, Péter Gáspár</i>	
DATA-DRIVEN ESTIMATION AND MAXIMIZATION OF CONTROLLABILITY GRAMIANS	4368
<i>Ikumi Banno, Shun-Ichi Azuma, Ryo Ariizumi, Toru Asai, Jun-Ichi Imura</i>	

DATA-DRIVEN DISTRIBUTED LEARNING OF MULTI-AGENT SYSTEMS: A KOOPMAN OPERATOR APPROACH.....	4374
<i>Sai Pushpak Nandanoori, Seemita Pal, Subhrajit Sinha, Soumya Kundu, Khushbu Agarwal, Sutanay Choudhury</i>	
DATA-DRIVEN REACHABILITY ANALYSIS WITH CHRISTOFFEL FUNCTIONS.....	4382
<i>Alex Devonport, Forest Yang, Laurent El Ghaoui, Murat Arcak</i>	
SREACHTOOLS KERNEL MODULE: DATA-DRIVEN STOCHASTIC REACHABILITY USING HILBERT SPACE EMBEDDINGS OF DISTRIBUTIONS.....	4388
<i>Adam J. Thorpe, Kendric R. Ortiz, Meeko M. K. Oishi</i>	
CONTROLLING NONLINEAR DYNAMICAL SYSTEMS WITH LINEAR QUADRATIC REGULATOR-BASED POLICY NETWORKS IN KOOPMAN SPACE.....	4395
<i>Tomoharu Iwata, Yoshinobu Kawahara</i>	
NEURAL NETWORK VERIFICATION USING POLYNOMIAL OPTIMISATION.....	4401
<i>Matthew Newton, Antonis Papachristodoulou</i>	
STABILITY ANALYSIS OF RECURRENT NEURAL NETWORKS BY IQC WITH COPOSITIVE MUTIPLIERS	4407
<i>Yoshio Ebihara, Hayato Waki, Victor Magron, Ngoc Hoang Anh Mai, Dimitri Peaucelle, Sophie Tarbouriech</i>	
BOUNDING THE COMPLEXITY OF FORMALLY VERIFYING NEURAL NETWORKS: A GEOMETRIC APPROACH	4413
<i>James Ferlez, Yasser Shoukry</i>	
NEURAL NETWORK-BASED CONTROL FOR MULTI-AGENT SYSTEMS FROM SPATIO-TEMPORAL SPECIFICATIONS.....	4419
<i>Suhail Alsalehi, Noushin Mehdipour, Ezio Bartocci, Calin Belta</i>	
PURSUING ROBUST DECISIONS IN UNCERTAIN TRAFFIC EQUILIBRIUM PROBLEMS	4425
<i>Filippo Fabiani</i>	
LEARNING-ENHANCED ROBUST CONTROLLER SYNTHESIS WITH RIGOROUS STATISTICAL AND CONTROL-THEORETIC GUARANTEES.....	4431
<i>Christian Fiedler, Carsten W. Scherer, Sebastian Trimpe</i>	
NEW RESULTS ON RESOURCE SHARING PROBLEMS WITH RANDOM AGENT ARRIVALS AND AN APPLICATION TO ECONOMIC DISPATCH IN POWER SYSTEMS	4439
<i>Alessandro Falsone, Kostas Margellos, Jacopo Zizzo, Maria Prandini, Simone Garatti</i>	
NEURAL NETWORK TRAINING AS AN OPTIMAL CONTROL PROBLEM : — AN AUGMENTED LAGRANGIAN APPROACH —	4445
<i>Brecht Evens, Puya Latafat, Andreas Themelis, Johan Suykens, Panagiotis Patrinos</i>	
MAXIMUM-ENTROPY PROGRESSIVE STATE AGGREGATION FOR REINFORCEMENT LEARNING.....	4453
<i>Christos N. Mavridis, Nilesh Suriyarachchi, John S. Baras</i>	
PARAMETER IDENTIFICATION OF FRACTIONAL-ORDER LTI SYSTEMS USING MODULATING FUNCTIONS WITH MEMORY REDUCTION.....	4459
<i>Christoph Weise, Philipp Pfeffer, Johann Reger, Michael Ruderman</i>	

JOINT PARAMETER AND STATE ESTIMATION OF NOISY DISCRETE-TIME NONLINEAR SYSTEMS: A SUPERVISORY MULTI-OBSERVER APPROACH	4466
<i>T.J. Meijer, V.S. Dolk, M.S. Chong, R. Postoyan, B. de Jager, D. Nešić, W.P.M.H. Heemels</i>	
AN ADMM-BASED APPROACH FOR MULTI-CLASS RECURSIVE PARAMETER ESTIMATION.....	4472
<i>Valentina Breschi, Alberto Bemporad, Ilya Kolmanovsky</i>	
TOWARDS SAFER RETINAL SURGERY THROUGH CHANCE CONSTRAINT OPTIMIZATION AND REAL-TIME GEOMETRY ESTIMATION	4478
<i>Peiyao Zhang, Ji Woong Kim, Marin Kobilarov</i>	
VELOCITY ESTIMATOR AUGMENTED IMAGE-BASED VISUAL SERVOING FOR MOVING TARGETS WITH TIME-VARYING 3-D MOTION	4484
<i>Yogesh Kumar, S. B. Roy, P. B. Sujit</i>	
RISK-AVERSE STOCHASTIC SHORTEST PATH PLANNING	4490
<i>Mohamadreza Ahmadi, Anushri Dixit, Joel W. Burdick, Aaron D. Ames</i>	
ROBUST MOTION PLANNING IN THE PRESENCE OF ESTIMATION UNCERTAINTY	4496
<i>Lars Lindemann, Matthew Cleaveland, Yiannis Kantaros, George J. Pappas</i>	
RISK-BOUNDED CONTROL WITH KALMAN FILTERING AND STOCHASTIC BARRIER FUNCTIONS.....	4504
<i>Shakiba Yaghoubi, Georgios Fainekos, Tomoya Yamaguchi, Danil Prokhorov, Bardh Hoxha</i>	
RISK-AWARE MOTION PLANNING IN PARTIALLY KNOWN ENVIRONMENTS	4511
<i>Fernando S. Barbosa, Bruno Lacerda, Paul Duckworth, Jana Tumova, Nick Hawes</i>	
MEAN-FIELD APPROXIMATION FOR LARGE-POPULATION BEAUTY-CONTEST GAMES	4518
<i>Raihan Seraj, Jerome Le Ny, Aditya Mahajan</i>	
DISCRETE-TIME MEAN FIELD CONTROL WITH ENVIRONMENT STATES	4524
<i>Kai Cui, Anam Tahir, Mark Sinzger, Heinz Koepl</i>	
A SPATIAL PARTITIONING BASED CROWD EVACUATION MODEL.....	4532
<i>Noureddine Toumi, Roland Malhamé, Jerome Le Ny</i>	
LQG GRAPHON MEAN FIELD GAMES: GRAPHON INVARIANT SUBSPACES	4538
<i>Shuang Gao, Peter E. Caines, Minyi Huang</i>	
EFFICIENT COMPUTATIONS OF MULTI-SPECIES MEAN FIELD GAMES VIA GRAPH-STRUCTURED OPTIMAL TRANSPORT	4546
<i>Axel Ringh, Isabel Haasler, Yongxin Chen, Johan Karlsson</i>	
MEAN FIELD STOCHASTIC GROWTH WITH RELATIVE UTILITY AND COMMON NOISE	4554
<i>Mengjie Zhou, Minyi Huang</i>	
OPTIMAL CONTROL OF DAES WITH UNCONSTRAINED TERMINAL COSTS	4560
<i>Paul Wijnbergen, Stephan Trenn</i>	
TAILORED NEURAL NETWORKS FOR LEARNING OPTIMAL VALUE FUNCTIONS IN MPC	4566
<i>Dieter Teichrib, Moritz Schulze Darup</i>	

ACTUATOR PLACEMENT FOR STRUCTURAL CONTROLLABILITY BEYOND STRONG CONNECTIVITY AND TOWARDS ROBUSTNESS.....	4573
<i>Baiwei Guo, Orcun Karaca, Sepide Azhdari, Maryam Kamgarpour, Giancarlo Ferrari-Trecate</i>	
ON THE CHARACTERIZATION OF EQUILIBRIA OF NONSMOOTH MINIMAL-TIME MEAN FIELD GAMES WITH STATE CONSTRAINTS.....	4579
<i>Saeed Sadeghi Arjmand, Guilherme Mazanti</i>	
CONVERSE LYAPUNOV FUNCTIONS AND CONVERGING INNER APPROXIMATIONS TO MAXIMAL REGIONS OF ATTRACTION OF NONLINEAR SYSTEMS	4585
<i>Morgan Jones, Matthew M. Peet</i>	
PASSIVE SOFT-RESET CONTROLLERS FOR NONLINEAR SYSTEMS	4593
<i>Justin H. Le, Andrew R. Teel</i>	
ON STOCHASTIC STABILIZATION OF SAMPLED SYSTEMS	4599
<i>Pavel Osinenko, Grigory Yaremenko</i>	
BARRIER FUNCTIONS FOR ROBUST SAFETY IN DIFFERENTIAL INCLUSIONS, PART I: SUFFICIENT CONDITIONS	4605
<i>Masoumeh Ghanbarpour, Mohamed Maghenem, Adnane Saoud</i>	
BARRIER FUNCTIONS FOR ROBUST SAFETY IN DIFFERENTIAL INCLUSIONS, PART II: THE CONVERSE PROBLEM	4611
<i>Masoumeh Ghanbarpour, Mohamed Maghenem</i>	
WEAK SAFE REACHABILITY FOR NONLINEAR SYSTEMS WITH STATE-DEPENDENT SWITCHING.....	4617
<i>Ayşegül Kivılcım, Rafaël Wisniewski</i>	
FINITE-TIME MODEL-BASED EVENT-TRIGGERED CONTROL OF LTI SYSTEMS	4623
<i>Zhu Xuan-Zhi, Pedro Casau, Carlos Silvestre</i>	
A LOCAL HYBRID OBSERVER FOR A CLASS OF HYBRID DYNAMICAL SYSTEMS WITH LINEAR MAPS AND UNKNOWN JUMP TIMES.....	4629
<i>Pauline Bernard, Ricardo G. Sanfelice</i>	
HYBRID SYSTEMS WITH CONTINUOUS-TIME INPUTS: SUBTLETIES IN SOLUTION CONCEPTS AND EXISTENCE RESULTS	4635
<i>W.P.M.H. Heemels, P. Bernard, K.J.A. Scheres, R. Postoyan, R. G. Sanfelice</i>	
ILQR FOR PIECEWISE-SMOOTH HYBRID DYNAMICAL SYSTEMS.....	4641
<i>Nathan J. Kong, George Council, Aaron M. Johnson</i>	
LYAPUNOV FUNCTIONS FOR SINGULARLY PERTURBED HYBRID SYSTEMS WITH FREQUENT JUMP DYNAMICS.....	4649
<i>Aneel Tanwani, Hyungbo Shim</i>	
A DUALITY APPROACH TO SET INVARIANCE AND SAFETY FOR NONLINEAR SYSTEMS	4655
<i>Masoumeh Ghanbarpour, Ricardo G. Sanfelice</i>	
EXPLICIT MPC RECOVERY FOR CLOUD CONTROL SYSTEMS	4661
<i>Per Skarin, Karl-Erik Årzén</i>	

ROBUST CONTROL OF RELATIVE DEGREE TWO SYSTEMS SUBJECT TO OUTPUT CONSTRAINTS WITH TIME-VARYING BOUNDS.....	4669
<i>Mark Spiller, Dirk Söffker</i>	
INTEGRAL CONTROL FOR A CLASS OF PLANAR SYSTEMS WITH UNCERTAIN MEASUREMENTS UNDER CONTROL INPUT SATURATION	4677
<i>ShuaiPeng He, Chunjiang Qian, Wei Lin</i>	
EVENT-TRIGGERED SYNCHRONIZATION OF SATURATED LUR'E-TYPE SYSTEMS *	4683
<i>C. Lisbôa, J. V. Flores, L. G. Moreira, J. M. Gomes Da Silva</i>	
REMARKS ABOUT THE NUMERICAL INVERSION OF INJECTIVE NONLINEAR MAPS	4689
<i>Vincent Andrieu, Pauline Bernard</i>	
A LOW-POWER MULTI HIGH-GAIN OBSERVER DESIGN FOR STATE ESTIMATION IN NONLINEAR SYSTEMS.....	4696
<i>S. Mousavi, M. Guay</i>	
AN ALMOST GLOBALLY CONVERGENT OBSERVER FOR VISUAL SLAM WITHOUT PERSISTENT EXCITATION.....	4702
<i>Bowen Yi, Chi Jin, Lei Wang, Guodong Shi, Ian R. Manchester</i>	
NEW FIXED TIME AND FAST CONVERGING REDUCED ORDER OBSERVERS	4708
<i>Frédéric Mazenc, Michael Malisoff</i>	
AN ORBITAL SYMMETRY-BASED APPROACH TO OBSERVER DESIGN FOR SYSTEMS WITH DISTURBANCES	4714
<i>Stefano Battilotti</i>	
CONSTANT TIME-HORIZON PREDICTION-BASED STABILIZATION FOR LINEAR SYSTEMS WITH INPUT-DEPENDENT INPUT DELAY	4720
<i>Flore Falcon, Delphine Bresch-Pietri</i>	
RAZUMIKHIN-TYPE CONTROL LYAPUNOV AND BARRIER FUNCTIONS FOR TIME- DELAY SYSTEMS	4726
<i>Wei Ren</i>	
INTERNAL MODEL CONTROL WITH DISTRIBUTED-DELAY-COMPENSATOR TO ATTENUATE MULTI-HARMONIC PERIODIC DISTURBANCE OF TIME-DELAY SYSTEM*.....	4732
<i>Can Kutlu Yuksel, Jaroslav Busek, Tomas Vyhldal, Silviu-Iulian Niculescu, Martin Hromcik</i>	
STABILITY ANALYSIS OF LTI FRACTIONAL-ORDER SYSTEMS WITH DISTRIBUTED DELAY	4739
<i>Mohammad Ali Pakzad</i>	
INPUT-TO-STATE STABILITY OF TIME-DELAY PERSIDSKII SYSTEMS.....	4745
<i>Wenjie Mei, Denis Efimov, Rosane Ushirobira</i>	
CENTRALITY-WEIGHTED OPINION DYNAMICS: DISAGREEMENT AND SOCIAL NETWORK PARTITION	4751
<i>Shuang Gao</i>	
ACCURATE RESILIENT AVERAGE CONSENSUS VIA DETECTION AND COMPENSATION.....	4757
<i>Wenzhe Zheng, Zhiyu He, Jianping He, Chengcheng Zhao</i>	

A CASE FOR THE AGE-STRUCTURED SIR DYNAMICS FOR MODELLING COVID-19	4763
<i>Rohit Parasnis, Amol Sakhale, Ryosuke Kato, Massimo Franceschetti, Behrouz Touri</i>	
ACCELERATED CONSENSUS IN MULTI-AGENT NETWORKS VIA MEMORY OF LOCAL AVERAGES.....	4769
<i>Aditya Bhaskar, Shriya Rangarajan, Vikram Shree, Mark Campbell, Francesca Parise</i>	
ROBUSTNESS OF RANDOM K-OUT GRAPHS.....	4775
<i>Eray Can Elumar, Osman Yağın</i>	
GRAPHICAL CHARACTERIZATIONS FOR STRUCTURAL CONTROLLABILITY OF DRIFTED BILINEAR SYSTEMS.....	4781
<i>Xing Wang, Bo Li, Jr-Shin Li, Ian R. Petersen, Guodong Shi</i>	
ON THE PROPERTIES OF LAPLACIAN PSEUDOINVERSES	4787
<i>Angela Fontan, Claudio Altafini</i>	
GLOBAL ANALYSIS OF NETWORKS OF PIECEWISE AFFINE BISTABLE SWITCHES.....	4793
<i>Gianluca Villani, Luca Scardovi</i>	
ON SIR EPIDEMIC MODELS WITH FEEDBACK-CONTROLLED INTERACTIONS AND NETWORK EFFECTS	4799
<i>Martina Alutto, Giacomo Como, Fabio Fagnani</i>	
DISTRIBUTED FORMATION CONTROL OF MANIPULATORS' END-EFFECTOR WITH INTERNAL MODEL-BASED DISTURBANCE REJECTION.....	4805
<i>Haiwen Wu, Bayu Jayawardhana, Hector Garcia De Marina, Dabo Xu</i>	
MODELING AND CONTROL OF CABLE-DRIVEN PARALLEL ROBOTS WITH NON-AFFINE DYNAMICS.....	4813
<i>Adel Ameri, Amir Molaei, Mohammad A. Khosravi, Amir G. Aghdamp, Javad Dargahi</i>	
ON FEEDFORWARD CONTROL OF PIEZOELECTRIC DUAL-STAGE ACTUATOR SYSTEMS.....	4819
<i>Clarisse Pétua Bosman Barros, Hans Butler, Jeroen van de Wijdeven, Roland Tóth</i>	
FINITE HORIZON PRIVACY OF STOCHASTIC DYNAMICAL SYSTEMS: A SYNTHESIS FRAMEWORK FOR GAUSSIAN MECHANISMS.....	4826
<i>Haleh Hayati, Carlos Murguia, Nathan van de Wouw</i>	
METHOD FOR RUNNING DYNAMIC SYSTEMS OVER ENCRYPTED DATA FOR INFINITE TIME HORIZON WITHOUT BOOTSTRAPPING AND RE-ENCRYPTION	4833
<i>Junsoo Kim, Hyungbo Shim, Henrik Sandberg, Karl H. Johansson</i>	
OBLIVIOUS SENSOR FUSION VIA SECURE MULTI-PARTY COMBINATORIAL FILTER EVALUATION.....	4839
<i>William E. Curran, Cesar A. Rojas, Leonardo Bobadilla, Dylan A. Shell</i>	
ENCRYPTED GAIN SCHEDULING WITH QUANTIZERS FOR STABILITY GUARANTEE *	4847
<i>Kaoru Teranishi, Kiminao Kogiso</i>	
RESILIENT HOMOMORPHIC ENCRYPTION SCHEME FOR CYBER-PHYSICAL SYSTEMS.....	4853
<i>Moritz Fauser, Ping Zhang</i>	
STABILITY ANALYSIS OF PRICING COMPETITION IN RETAIL ELECTRICITY MARKET: ON IMPACT OF BOUNDED RATIONALITY.....	4859
<i>Shunya Yamashita, Mohd A. Khan, Takeshi Hatanaka, Kenko Uchida, Lang Tong</i>	

STORAGE-AIDED SERVICE SURCHARGE DESIGN FOR EV CHARGING STATIONS.....	4866
<i>Chenbei Lu, Zhiqi Wang, Chenye Wu</i>	
DECENTRALIZED STABILITY CONDITIONS IN DC MICROGRIDS.....	4872
<i>Khaled Laib, Jeremy Watson, Yemi Ojo, Ioannis Lestas</i>	
MECHANISM DESIGN FOR PEAK DEMAND MANAGEMENT IN ENERGY COMMUNITIES.....	4878
<i>Xupeng Wei, Achilleas Anastasopoulos</i>	
DISTRIBUTED STATE ESTIMATION FOR DISTRIBUTION GRID WITH SPARSE MEASUREMENTS	4886
<i>Aditya Kumar, Reza Ghaemi</i>	
QUANTIFIABLE FREQUENCY SUPPORT FROM GRID-FORMING CONVERTERS WITH DC-SIDE CURRENT LIMITS IN GRIDS WITH SYNCHRONOUS GENERATORS	4894
<i>Sayan Samanta, Nilanjan Ray Chaudhuri, Constantino Lagoa</i>	
DYNAMIC MEDIAN CONSENSUS OVER RANDOM NETWORKS	4902
<i>Shuhua Yu, Yuan Chen, Soumya Kar</i>	
LEADER-FOLLOWER FORMATION STABILIZATION CONTROL FOR PLANAR UNDERACTUATED VEHICLE NETWORKS.....	4910
<i>Bo Wang, Hashem Ashrafiuon, Sergey Nersesov</i>	
REDUCING ATTACK VULNERABILITIES THROUGH DECENTRALIZED EVENT- TRIGGERED CONTROL.....	4916
<i>Paul Griffioen, Raffaele Romagnoli, Bruce H. Krogh, Bruno Sinopoli</i>	
DECENTRALIZED OUTPUT FEEDBACK CONTROL USING SPARSITY INVARIANCE WITH APPLICATION TO SYNCHRONIZATION AT EUROPEAN XFEL.....	4924
<i>Maximilian Schütte, Annika Eichler, Holger Schlarb, Gerwald Lichtenberg, Herbert Werner</i>	
EFFICIENT SOLUTION ALGORITHMS FOR THE BOUNDED ACCELERATION SHORTEST PATH PROBLEM.....	4930
<i>Stefano Ardizzoni, Luca Consolini, Mattia Laurini, Marco Locatelli</i>	
NONLINEAR MODEL PREDICTIVE CONTROL APPLIED TO ROBUST GUIDANCE OF AUTONOMOUS SURFACE VEHICLES.....	4936
<i>José María Manzano, José Ramón Salvador, Guillermo Bejarano, Daniel Limon</i>	
EXACT DECENTRALIZED RECEDING HORIZON PLANNING FOR MULTIPLE AERIAL VEHICLES.....	4942
<i>Indrajeet Yadav, Herbert G. Tanner</i>	
ADAPTIVE PATH-FOLLOWING CONTROL OF AN AUTONOMOUS VEHICLE WITH PATH-DEPENDENT CONSTRAINT REQUIREMENTS.....	4948
<i>Xu Jin, Shi-Lu Dai, Jianjun Liang, Dejun Guo</i>	
GLOBAL TRAJECTORY TRACKING FOR QUADROTORS: AN MRP-BASED HYBRID BACKSTEPPING STRATEGY.....	4954
<i>Luís Martins, Carlos Cardeira, Paulo Oliveira</i>	
NONLINEAR DATA-DRIVEN CONTROL VIA STATE-DEPENDENT REPRESENTATIONS.....	4960
<i>T. Dai, M. Sznaiier</i>	

DISTRIBUTED LEARNING OF OPTIMAL CONTROLS FOR LINEAR SYSTEMS.....	4966
<i>Federico Celi, Giacomo Baggio, Fabio Pasqualetti</i>	
A MATRIX FINSLER'S LEMMA WITH APPLICATIONS TO DATA-DRIVEN CONTROL	4972
<i>Henk J. van Waarde, M. Kanat Camlibel</i>	
DATA-DRIVEN SYNTHESIS OF OPTIMIZATION-BASED CONTROLLERS FOR REGULATION OF UNKNOWN LINEAR SYSTEMS	4978
<i>Gianluca Bianchin, Miguel Vaquero, Jorge Cortés, Emiliano Dall'Anese</i>	
EXPLOITING THE EXPERTS: LEARNING TO CONTROL UNKNOWN SISO FEEDBACK LINEARIZABLE SYSTEMS FROM EXPERT DEMONSTRATIONS *	4984
<i>Alimzhan Sultangazin, Lucas Fraile, Paulo Tabuada</i>	
IMPROVED STABILITY CONDITIONS FOR SYSTEMS UNDER APERIODIC SAMPLING: MODEL- AND DATA-BASED ANALYSIS*	4990
<i>Stefan Wildhagen, Julian Berberich, Matthias Hirche, Frank Allgöwer</i>	
COMPOUND MATRICES IN SYSTEMS AND CONTROL THEORY.....	4997
<i>Eyal Bar-Shalom, Michael Margaliot</i>	
DYNAMIC FEEDBACK LINEARIZATION OF TWO-INPUT CONTROL SYSTEMS VIA SUCCESSIVE ONE-FOLD PROLONGATIONS	5003
<i>Florentina Nicolau, Witold Respondek</i>	
CONVERGENCE OF A TANGENT SPACE NUMERICAL SCHEME FOR A STOCHASTIC DIFFERENTIAL EQUATION ON A SPHERE	5009
<i>Victor Solo, Zhichao Wang</i>	
AN ALGORITHM FOR J-SPECTRAL FACTORIZATION OF CERTAIN MATRIX FUNCTIONS.....	5015
<i>Lasha Ephremidze, Ilya Spitkovsky</i>	
ALGEBRAIC AND GRAPH-THEORETIC CONDITIONS FOR THE HERDABILITY OF LINEAR TIME-INVARIANT SYSTEMS	5021
<i>Giulia De Pasquale, Maria Elena Valcher</i>	
WHEN DOES THE EVOLUTED SET HAVE NEGLIGIBLE BOUNDARY?.....	5027
<i>Francesco Boarotto, Francesco Rossi</i>	
HIERARCHICAL STRUCTURES FOR ECONOMIC REPETITIVE CONTROL.....	5033
<i>Kirti D. Mishra, James Reed, Maxwell Wu, Kira Barton, Chris Vermillion</i>	
POINT-TO-POINT REPETITIVE CONTROL WITH OPTIMAL TRACKING TIME	5040
<i>Maxwell Wu, Chris Vermillion, Kira Barton</i>	
LIBRARY-BASED NORM-OPTIMAL ITERATIVE LEARNING CONTROL	5046
<i>James Reed, Maxwell Wu, Kira Barton, Chris Vermillion, Kirti D. Mishra</i>	
ITERATIVE LEARNING IN FUNCTIONAL SPACE FOR NON-SQUARE LINEAR SYSTEMS	5053
<i>Cosimo Della Santina, Franco Angelini</i>	
NOVEL CONTROLLER DESIGN PROCEDURE FOR OUTPUT BASED ILC UPDATE LAWS APPLIED TO DISCRETE-TIME POLYTOPIC SYSTEMS.....	5059
<i>Robert Maniarski, Wojciech Paszke, Shoulin Hao, Tao Liu, Eric Rogers</i>	

NETWORKED FILTERING WITH FEEDBACK FOR DISCRETE-TIME OBSERVATIONS	5065
<i>Zhenyu Liu, Andrea Conti, Sanjoy K. Mitter, Moe Z. Win</i>	
CONTINUOUS NONLINEAR STATE PREDICTION BY FINITE VOLUME METHOD ON LOGICALLY RECTANGULAR GRIDS.....	5073
<i>J. Matoušek, M. Brandner, J. Duník</i>	
UNCERTAINTY PRINCIPLES IN RISK-AWARE STATISTICAL ESTIMATION	5079
<i>Nikolas P. Koumpis, Dionysios S. Kalogerias</i>	
BAYESIAN FILTERING FOR NONLINEAR STOCHASTIC SYSTEMS USING HOLONOMIC GRADIENT METHOD WITH INTEGRAL TRANSFORM	5087
<i>Tomoyuki Iori, Toshiyuki Ohtsuka</i>	
SEMI-IMPLICIT HOMOGENEOUS EULER DIFFERENTIATOR FOR A SECOND-ORDER SYSTEM: VALIDATION ON REAL DATA	5094
<i>Loïc Michel, Malek Ghanes, Franck Plestan, Yannick Aoustin, Jean-Pierre Barbot</i>	
STOCHASTIC STABILITY VIA ROBUSTNESS OF LINEAR SYSTEMS	5101
<i>Benjamin Gravell, Tyler Summers</i>	
SAFETY-CRITICAL CONTROL OF STOCHASTIC SYSTEMS USING STOCHASTIC CONTROL BARRIER FUNCTIONS.....	5107
<i>Chuanzheng Wang, Yiming Meng, Stephen L. Smith, Jun Liu</i>	
SCALABLE PLANNING IN MULTI-AGENT MDPS.....	5115
<i>Dinuka Sahabandu, Luyao Niu, Andrew Clark, Radha Poovendran</i>	
SIMPLE CONTROL FOR COMPLEX PANDEMICS	5123
<i>Sarah C. Fay, Dalton J. Jones, Munther A. Dahleh, A. E. Hosoi</i>	
POLYNOMIAL AND MULTILINEAR PERFORMANCE CRITERIA FOR DISCRETE-TIME NONLINEAR STOCHASTIC DYNAMICAL SYSTEMS	5129
<i>Manuel Lanchares, Wassim M. Haddad</i>	
JOINT NONANTICIPATIVE RATE DISTORTION FUNCTION FOR A TUPLE OF RANDOM PROCESSES WITH INDIVIDUAL FIDELITY CRITERIA	5135
<i>Charalambos D. Charalambous, Evagoras Stylianou</i>	
NATURAL DEADLOCK RESOLUTION FOR MULTI-AGENT MULTI-SWARM NAVIGATION.....	5141
<i>Boyang Zhang, Henri P. Gavin</i>	
TIME COORDINATION OF MULTIPLE UAVS OVER SWITCHING COMMUNICATION NETWORKS WITH DIGRAPH TOPOLOGIES	5147
<i>Hyungsoo Kang, Hyung-Jin Yoon, Venanzio Cichella, Naira Hovakimyan, Petros Voulgaris</i>	
DISTRIBUTED CONSENSUS-BASED MULTI-AGENT OFF-POLICY TEMPORAL-DIFFERENCE LEARNING.....	5153
<i>Miloš S. Stanković, Marko Beko, Srdjan S. Stanković</i>	
DISTRIBUTED CONTROL OF HETEROGENEOUS NETWORKS OF VEHICLES WITH POSITIVE SYSTEMS THEORY AND GENERALIZED H2 NORM	5159
<i>Adwait Datar, Herbert Werner</i>	
DISSENSUS ALGORITHMS FOR OPINION DYNAMICS ON THE SPHERE	5165
<i>Ziqiao Zhang, Said Al-Abri, Fumin Zhang</i>	

STRICT SENSE MINIMIZERS WHICH ARE RELAXED EXTENDED MINIMIZERS IN GENERAL OPTIMAL CONTROL PROBLEMS	5171
<i>Giovanni Fusco, Monica Motta</i>	
EXPLOITING HOMOGENEITY FOR THE OPTIMAL CONTROL OF DISCRETE-TIME SYSTEMS: APPLICATION TO VALUE ITERATION	5177
<i>Mathieu Granzotto, Romain Postoyan, Lucian Buşoniu, Dragan Nešić, Jamal Daafouz</i>	
TRACKING OF STABILIZING, OPTIMAL CONTROL IN FIXED-TIME BASED ON TIME- VARYING OBJECTIVE FUNCTION	5183
<i>Patrick Schmidt, Thomas Göhrt, Stefan Streif</i>	
TOWARD IMPROVING THE DISTRIBUTIONAL ROBUSTNESS OF RISK-AWARE CONTROLLERS IN LEARNING-ENABLED ENVIRONMENTS.....	5189
<i>Astghik Hakobyan, Insoon Yang</i>	
STABILITY ANALYSIS OF NEURAL NETWORKS WITH TIME-VARYING DELAYS VIA A NOVEL GENERALIZED INTEGRAL INEQUALITY BASED ON FREE MATRICES	5197
<i>Jun Hui Lee, PooGyeon Park</i>	
OPTIMISATION OF REGION OF ATTRACTION ESTIMATES FOR THE EXPONENTIAL STABILISATION OF THE INTRINSIC GEOMETRICALLY EXACT BEAM MODEL	5202
<i>Marc Artola, Charlotte Rodriguez, Andrew Wynn, Rafael Palacios, Günter Leugering</i>	
STABILIZATION OF DISCRETE-TIME PIECEWISE AFFINE SYSTEMS IN IMPLICIT REPRESENTATION	5208
<i>L. Cabral, J. M. Gomes da Silva, G. Valmorbida</i>	
ON FINITE-TIME STABILITY ANALYSIS OF HOMOGENEOUS PERSIDSKII SYSTEMS USING LMIS*	5214
<i>Konstantin Zimenko, Denis Efimov, Andrey Polyakov, Artem Kremlev</i>	
A TIME-DELAY APPROACH FOR SAMPLED-DATA AND DELAYED SCALAR EXTREMUM SEEKING*	5220
<i>Yang Zhu, Emilia Fridman, Tiago Roux Oliveira</i>	
STABILIZATION OF APERIODIC SAMPLED-DATA LINEAR SYSTEMS WITH INPUT CONSTRAINTS: A LOW COMPLEXITY POLYHEDRAL APPROACH	5228
<i>Daniel Denardi Huff, Mirko Fiacchini, João Manoel Gomes da Silva</i>	
VERIFICATION AND SYNTHESIS OF CONTROL BARRIER FUNCTIONS	5234
<i>Andrew Clark</i>	
SAFE CONTROL SYNTHESIS VIA INPUT CONSTRAINED CONTROL BARRIER FUNCTIONS.....	5242
<i>Devansh R. Agrawal, Dimitra Panagou</i>	
HIGH RELATIVE DEGREE CONTROL BARRIER FUNCTIONS UNDER INPUT CONSTRAINTS	5248
<i>Joseph Breedon, Dimitra Panagou</i>	
CONTROL BARRIER FUNCTIONS FOR SINGULARITY AVOIDANCE IN PASSIVITY- BASED MANIPULATOR CONTROL	5254
<i>Vince Kurtz, Patrick M. Wensing, Hai Lin</i>	

ENHANCING FEASIBILITY AND SAFETY OF NONLINEAR MODEL PREDICTIVE CONTROL WITH DISCRETE-TIME CONTROL BARRIER FUNCTIONS.....	5260
<i>Jun Zeng, Zhongyu Li, Koushil Sreenath</i>	
STRUCTURE FROM MOTION WITH VARIABLE FOCAL LENGTH: INTERCONNECTED FUZZY OBSERVER	5268
<i>R. Benyoucef, H. Hadj-Abdelkader, L. Nehaoua, H. Arioui</i>	
LMI FEASIBILITY IMPROVEMENT TO DESIGN OBSERVERS FOR A CLASS OF LIPSCHITZ NONLINEAR SYSTEMS	5274
<i>H. Arezki, D. Bouhadjra, K. Chaib-Draa, A. Zemouche, I. N'Doye, T. M. Laleg-Kirati</i>	
NONLINEAR ESTIMATION FOR POSITION-AIDED INERTIAL NAVIGATION SYSTEMS.....	5279
<i>Soulaimane Berkane, Abdelhamid Tayebi</i>	
FUNCTIONAL OBSERVERS WITH LINEAR ERROR DYNAMICS FOR DISCRETE-TIME NONLINEAR SYSTEMS*	5284
<i>Sunjeev Venkateswaran, Benjamin A. Wilhite, Costas Kravaris</i>	
GUARANTEED STATE ESTIMATION VIA INDIRECT POLYTOPIC SET COMPUTATION FOR NONLINEAR DISCRETE-TIME SYSTEMS	5290
<i>Mohammad Khajenejad, Fatima Shoaib, Sze Zheng Yong</i>	
A COMPARISON BETWEEN THE EXTENDED KALMAN FILTER AND A MINIMUM-ENERGY FILTER IN THE TSE(2) CASE.....	5298
<i>Damiano Rigo, Nicola Sansonetto, Riccardo Muradore</i>	
ABSTRACT NONLINEAR CONTROL SYSTEMS	5304
<i>Shantanu Singh, George Weiss, Marius Tucsnak</i>	
STABILITY OF THE MULTIDIMENSIONAL WAVE EQUATION IN PORT-HAMILTONIAN MODELLING	5311
<i>Birgit Jacob, Nathanael Skrepek</i>	
STRONG STABILIZATION OF A LINEARIZED GRAVITY-CAPILLARY WATER WAVES SYSTEM IN A TANK*	5317
<i>Pei Su</i>	
EXPONENTIAL STABILIZATION OF A CLAMPED TIMOSHENKO BEAM WITH ACTUATION ON A TIP MASS	5323
<i>Andrea Mattioni, Yongxin Wu, Yann Le Gorrec</i>	
EVENT-TRIGGERED CONTROL IN SHARED NETWORKS: HOW THE COMPUTATIONAL POWER OF SENSORS AFFECTS TRANSMISSION PRIORITIES.....	5329
<i>Tahmoores Farjam, Themistoklis Charalambous</i>	
POLICY-DEPENDENT AND POLICY-INDEPENDENT STATIC REDUCTION OF STOCHASTIC DYNAMIC TEAMS AND GAMES AND FRAGILITY OF EQUIVALENCE PROPERTIES	5336
<i>Sina Sanjari, Tamer Başar, Serdar Yüksel</i>	
MODELING FOR A CLASS OF CORRELATED RANDOM DELAY AND PACKET DROP CHANNELS.....	5342
<i>Guoxiang Gu, Jiapeng Xu, Yang Tang</i>	

DYNAMIC ALLOCATION OF VISUAL ATTENTION FOR VISION-BASED AUTONOMOUS NAVIGATION UNDER DATA RATE CONSTRAINTS	5348
<i>Ali Reza Pedram, Riku Funada, Takashi Tanaka</i>	
LOCAL SHAPE-PRESERVING FORMATION MANEUVER CONTROL OF MULTI-AGENT SYSTEMS: FROM 2D TO 3D.....	5356
<i>Changhuang Wan, Gangshan Jing, Ran Dai, Ruike Zhao</i>	
DISTRIBUTED TRACKING OF GRAPH PARAMETERS IN ANONYMOUS NETWORKS WITH TIME-VARYING TOPOLOGY	5363
<i>D. Deplano, M. Franceschelli, A. Giua</i>	
ROBUSTNESS OF THE TERMINAL BEHAVIOUR OF RESISTIVE ELECTRICAL NETWORKS.....	5369
<i>Anne-Men Huijzer, Arjan van der Schaft, Bart Besselink</i>	
OPTIMAL CPU SCHEDULING IN DATA CENTERS VIA A FINITE-TIME DISTRIBUTED QUANTIZED COORDINATION MECHANISM	5375
<i>Apostolos I. Rikos, Andreas Grammenos, Evangelia Kalyvianaki, Christoforos N. Hadjicostis, Themistoklis Charalambous, Karl H. Johansson</i>	
POLYNOMIAL SUPERLEVEL SET APPROXIMATION OF SWEEPED-VOLUME FOR COMPUTING COLLISION PROBABILITY IN SPACE ENCOUNTERS	5381
<i>D. Arzelier, F. Bréhard, M. Joldeş, J.-B. Lasserre, S. Laurens, A. Rondepierre</i>	
FUEL-OPTIMAL PROGRAM FOR ATMOSPHERIC VERTICAL POWERED LANDING.....	5387
<i>Hubert Ménou, Eric Bourgeois, Nicolas Petit</i>	
NEURAL NETWORK VERIFICATION IN CONTROL	5395
<i>Michael Everett</i>	
AN INTRODUCTION TO NEURAL NETWORK ANALYSIS VIA SEMIDEFINITE PROGRAMMING.....	5410
<i>Mahyar Fazlyab, Manfred Morari, George J. Pappas</i>	
POWER CONGESTION MANAGEMENT OF A SUB-TRANSMISSION AREA POWER NETWORK USING PARTIAL RENEWABLE POWER CURTAILMENT VIA MPC.....	5420
<i>Duc-Trung Hoang, Sorin Olaru, Alessio Iovine, Jean Maeght, Patrick Panciatici, Manuel Ruiz</i>	
MODEL PREDICTIVE PURGE CONTROL FOR PEM FUEL CELL SYSTEMS WITH ANODE RECIRCULATION.....	5428
<i>Michael Hauck, Felix Petzke, Stefan Streif</i>	
OPTIMAL MANAGEMENT OF THE PEAK POWER PENALTY FOR SMART GRIDS USING MPC-BASED REINFORCEMENT LEARNING.....	5434
<i>Wenqi Cai, Hossein N. Esfahani, Arash B. Kordabad, Sébastien Gros</i>	
DISTRIBUTED CONTROL OF VIRTUAL STORAGE PLANTS FOR GRID SERVICE PROVISION.....	5440
<i>Xiao Wang, Tongmao Zhang, Alessandra Parisio</i>	
CONTROLLING BIG, DIVERSE, NONLINEAR LOAD AGGREGATIONS FOR GRID SERVICES BY ADJUSTING DEVICE SETPOINTS	5446
<i>Kevin J. Kircher, Yuan Cai, Leslie K. Norford, Steven B. Leeb</i>	

ROBUST OUTPUT SET-POINT TRACKING FOR A POWER FLOW CONTROLLER VIA FORWARDING DESIGN	5454
<i>Tanguy Simon, Mattia Giaccagli, Jean-François Tregouët, Daniele Astolfi, Vincent Andrieu, Xuefang Lin-Shi, Hervé Morel</i>	
SLIDING SURFACE SELECTION FOR SATURATED SLIDING-MODE CONTROL OF LINEAR TIME-INVARIANT PLANTS	5460
<i>Richard Seeber, Markus Reichhartinger</i>	
DISCRETE-TIME IMPLEMENTATION OF AN ADAPTIVE GAIN FIRST-ORDER SLIDING MODE CONTROL LAW	5466
<i>Lars Watermann, Lukas Eisenzopf, Stefan Koch, Markus Reichhartinger, Martin Horn, Johann Reger</i>	
LOW-CHATTERING DISCRETIZATION OF SLIDING MODE CONTROL	5472
<i>Avi Hanan, Arie Levant, Adam Jbara</i>	
GLOBAL OBSERVERS WITH FINITE-TIME AND FIXED-TIME CONVERGENCE FOR A CLASS OF UNCERTAIN MECHANICAL SYSTEMS	5478
<i>Amina Benarab, W. Alejandro Apaza-Perez</i>	
ADAPTIVE GAIN SUPER-TWISTING-ALGORITHM: DESIGN AND DISCRETIZATION	5484
<i>Lukas Eisenzopf, Lars Watermann, Stefan Koch, Markus Reichhartinger, Johann Reger, Martin Horn</i>	
OPTIMAL TERMINAL SLIDING MODE CONTROL FOR SECOND-ORDER MOTION SYSTEMS	5490
<i>Michael Ruderman</i>	
LEADERLESS COLLECTIVE MOTIONS IN AFFINE FORMATION CONTROL	5496
<i>Hector Garcia de Marina, Juan Jimenez Castellanos, Weijia Yao</i>	
FORMATION CONTROL OF MECHANICAL MULTI-AGENT SYSTEMS UNDER RELATIVE MEASUREMENTS AND ITS APPLICATION TO ROBOTIC MANIPULATORS	5502
<i>Kazunori Sakurama</i>	
HETEROGENEOUS FORMATION CONTROL: A BEARING RIGIDITY APPROACH	5508
<i>Beniamino Pozzan, Giulia Michieletto, Angelo Cenedese, Daniel Zelazo</i>	
DATA-DRIVEN RECONSTRUCTION OF FIRING RATE DYNAMICS IN BRAIN NETWORKS	5514
<i>Xuan Wang, Jorge Cortés</i>	
TOWARDS ROBUST DATA-DRIVEN CONTROL SYNTHESIS FOR NONLINEAR SYSTEMS WITH ACTUATION UNCERTAINTY	5520
<i>Andrew J. Taylor, Victor D. Dorobantu, Sarah Dean, Benjamin Recht, Yisong Yue, Aaron D. Ames</i>	
LEARNING REGION OF ATTRACTION FOR NONLINEAR SYSTEMS	5528
<i>Shaoru Chen, Mahyar Fazlyab, Manfred Morari, George J. Pappas, Victor M. Preciado</i>	
ON CONTROLLABILITY AND PERSISTENCY OF EXCITATION IN DATA-DRIVEN CONTROL: EXTENSIONS OF WILLEMS' FUNDAMENTAL LEMMA	5536
<i>Yue Yu, Shahriar Talebi, Henk J. van Waarde, Ufuk Topcu, Mehran Mesbahi, Behçet Açıkmeşe</i>	

DATA-DRIVEN CONTROL OF NONLINEAR SYSTEMS: LEARNING KOOPMAN OPERATORS FOR POLICY GRADIENT	5542
<i>Francesco Zanini, Alessandro Chiuso</i>	
COMPLEXITY BLOWUP IF CONTINUOUS-TIME LTI SYSTEMS ARE IMPLEMENTED ON DIGITAL HARDWARE.....	5548
<i>Holger Boche, Volker Pohl</i>	
ANYTIME SOLUTION OF CONSTRAINED NONLINEAR PROGRAMS VIA CONTROL BARRIER FUNCTIONS	5554
<i>Ahmed Allibhoy, Jorge Cortés</i>	
AUGMENTED LAGRANGIAN METHODS AS DYNAMICAL SYSTEMS FOR CONSTRAINED OPTIMIZATION	5560
<i>Alberto De Marchi</i>	
EXPLOITING LINEAR MODELS FOR MODEL-FREE NONLINEAR CONTROL: A PROVABLY CONVERGENT POLICY GRADIENT APPROACH.....	5566
<i>Guannan Qu, Chenkai Yu, Steven Low, Adam Wierman</i>	
HIGHER-ORDER SPATIAL ITERATIVE LEARNING CONTROL FOR ADDITIVE MANUFACTURING.....	5574
<i>Zahra Afkhami, David Hoelzle, Kira Barton</i>	
DISTRIBUTED ITERATIVE LEARNING CONTROL FOR NETWORKED DYNAMICAL SYSTEMS WITH GUARANTEED INDIVIDUAL ENERGY COST.....	5581
<i>Bin Chen, Bing Chu</i>	
MODEL-FREE LEARNING OF SAFE YET EFFECTIVE CONTROLLERS.....	5587
<i>Alper Kamil Bozkurt, Yu Wang, Miroslav Pajic</i>	
INTERMITTENT SAMPLING IN REPETITIVE CONTROL: EXPLOITING TIME-VARYING MEASUREMENTS	5593
<i>Johan Kon, Nard Strijbosch, Sjirk Koekebakker, Tom Oomen</i>	
ITERATIVE LEARNING CONTROL OF STOCHASTIC LINEAR SYSTEMS WITH REFERENCE TRAJECTORY SWITCHING.....	5599
<i>Pavel Pakshin, Julia Emelianova, Eric Rogers, Krzysztof Galkowski</i>	
ALL-IN-ONE: CERTIFIABLE OPTIMAL DISTRIBUTED KALMAN FILTER UNDER UNKNOWN CORRELATIONS.....	5605
<i>Eduardo Sebastián, Eduardo Montijano, Carlos Sagüés</i>	
DISTRIBUTED COMPUTATION OF A ROBUST ESTIMATOR BASED ON CAUCHY NOISES	5611
<i>Nathaniel Snyder, Moshe Idan, Jason L. Speyer</i>	
LOW COMPLEXITY SECURE STATE ESTIMATION DESIGN FOR LINEAR SYSTEM WITH NON-DEROGATORY DYNAMICS	5618
<i>Zishuo Li, Yilin Mo</i>	
DATA-ENHANCED KALMAN FILTERING OF COLORED PROCESS NOISE	5624
<i>Armin Zare</i>	
ENSEMBLE KALMAN FILTER FOR CONTINUOUS-DISCRETE STATE-SPACE MODELS.....	5629
<i>Masaya Murata, Isao Kawano, Koichi Inoue</i>	

MULTI-PAGE MENU RECOMMENDATION IN CASCADE MODEL WITH EXTERNALITIES	5635
<i>Richa Dhingra, Hansraj Satyam Verma, Alexandre Reiffers-Masson, Veeraruna Kavitha</i>	
ABORT-SAFE SPACECRAFT RENDEZVOUS UNDER STOCHASTIC ACTUATION AND NAVIGATION UNCERTAINTY	5641
<i>Abraham P. Vinod, Avishai Weiss, Stefano Di Cairano</i>	
PAC-BAYESIAN THEORY FOR STOCHASTIC LTI SYSTEMS	5647
<i>Deividas Eringis, John Leth, Zheng-Hua Tan, Rafal Wisniewski, Alireza Fakhrizadeh Esfahani, Mihaly Petreczky</i>	
PROBABILITY DISTRIBUTION CONTROL OF FINITE-STATE MARKOV CHAINS WITH WASSERSTEIN COSTS AND APPLICATION TO OPERATION OF CAR-SHARING SERVICES	5655
<i>Kenta Hoshino, Kazunori Sakurama</i>	
SAFE CONTROL IN THE PRESENCE OF STOCHASTIC UNCERTAINTIES	5661
<i>Albert Chern, Xiang Wang, Abhiram Iyer, Yorie Nakahira</i>	
FINITE TIME STABILITY OF DISCRETE-TIME STOCHASTIC DYNAMICAL SYSTEMS	5667
<i>Junsoo Lee, Wassim M. Haddad, Sanjay P. Bhat</i>	
DISTRIBUTED H8 EDGE WEIGHT SYNTHESIS FOR COOPERATIVE SYSTEMS	5673
<i>Baris Taner, Kamesh Subbarao</i>	
CONSENSUS-BASED VALUE ITERATION FOR MULTIAGENT COOPERATIVE CONTROL	5680
<i>Jing Wang, Elias Wilson, Alvaro Velasquez</i>	
FULLY DISTRIBUTED EVENT-TRIGGERED CONSENSUS OF DOUBLE-INTEGRATOR MULTI-AGENT SYSTEMS	5686
<i>Shaopan Guo, Xiangyu Meng, Baozhu Du</i>	
CONSENSUS-BASED ARTIFICIAL POTENTIAL FIELD APPROACH FOR SWARM	5692
<i>Manao Machida, Masumi Ichien</i>	
AN LMI-BASED COOPERATIVE CONTROL DESIGN FRAMEWORK FOR THE BOUNDED EXPONENTIAL CONSENSUS OF NONLINEAR SYSTEMS	5699
<i>Wagner A. Yamada, Rafael S. Castro</i>	
ONLINE JOB SCHEDULING ON A SINGLE MACHINE WITH GENERAL COST FUNCTIONS	5705
<i>S. Rasoul Etesami</i>	
ON ENERGETICALLY OPTIMAL FINITE-TIME STABILIZATION*	5711
<i>Andrey Polyakov, Denis Efimov, Xubin Ping</i>	
SPATIO-TEMPORAL CONSTRAINED ZONOTOPES FOR VALIDATION OF OPTIMAL CONTROL PROBLEMS *	5717
<i>Etienne Bertin, Bruno Hérissé, Julien Alexandre dit Sandretto, Alexandre Chapoutot</i>	
AN EFFICIENT ALGORITHM FOR TUBE-BASED ROBUST NONLINEAR OPTIMAL CONTROL WITH OPTIMAL LINEAR FEEDBACK	5723
<i>Florian Messerer, Moritz Diehl</i>	

AN ADAPTIVE RESTART HEAVY-BALL PROJECTED PRIMAL-DUAL METHOD FOR SOLVING CONSTRAINED LINEAR QUADRATIC OPTIMAL CONTROL PROBLEMS	5731
<i>Y.J.J. Heuts, G.P. Padilla, M.C.F. Donkers</i>	
ROBUST MINIMUM GAIN LEMMA.....	5737
<i>Tamás Baár, Tamás Luspáy</i>	
SAFE REAL-TIME OPTIMIZATION USING MULTI-FIDELITY GAUSSIAN PROCESSES.....	5743
<i>Panagiotis Petsagkourakis, Benoit Chachuat, Ehecatl Antonio del Rio-Chanona</i>	
ROBUST ESTIMATION OF SLICED-EXPONENTIAL DISTRIBUTIONS?	5751
<i>Luis G. Crespo, Brendon K. Colbert, Tanner Slager, Sean P. Kenny</i>	
A HIGH-PERFORMANCE MONTE CARLO SIMULATION TOOLBOX FOR UNCERTAINTY QUANTIFICATION OF CLOSED-LOOP SYSTEMS	5758
<i>Morten Ryberg Wahlgreen, Asbjørn Thode Reenberg, Marcus Krogh Nielsen, Anton Rydahl, Tobias K. S. Ritschel, Bernd Dammann, John Bagterp Jørgensen</i>	
POINTWISE FEASIBILITY OF GAUSSIAN PROCESS-BASED SAFETY-CRITICAL CONTROL UNDER MODEL UNCERTAINTY	5765
<i>Fernando Castañeda, Jason J. Choi, Bike Zhang, Claire J. Tomlin, Koushil Sreenath</i>	
STABILIZATION OF SAMPLED-DATA LURE SYSTEMS WITH SLOPE-RESTRICTED NONLINEARITIES *	5773
<i>Mathias Giordani Tifton, João Manoel Gomes da Silva, Giórgio Valmórbida, Marc Jungers</i>	
STABILIZATION OF LINEAR SYSTEMS WITH APERIODIC SAMPLED-DATA CONTROL	5779
<i>Wenbing Zhang, Wei Xing Zheng, Yang Tang, Yunlei Zou</i>	
SAFETY-CRITICAL CONTROL SYNTHESIS FOR UNKNOWN SAMPLED-DATA SYSTEMS VIA CONTROL BARRIER FUNCTIONS.....	5785
<i>Luyao Niu, Hongchao Zhang, Andrew Clark</i>	
ROBUST CONTROL BARRIER-VALUE FUNCTIONS FOR SAFETY-CRITICAL CONTROL	5793
<i>Jason J. Choi, Donggun Lee, Koushil Sreenath, Claire J. Tomlin, Sylvia L. Herbert</i>	
COLLISION AVOIDANCE AND LIVENESS OF MULTI-AGENT SYSTEMS WITH CBF-BASED CONTROLLERS	5801
<i>Mrdjan Jankovic, Mario Santillo</i>	
HJB BASED OPTIMAL SAFE CONTROL USING CONTROL BARRIER FUNCTIONS	5808
<i>Hassan Almubarak, Evangelos A. Theodorou, Nader Sadegh</i>	
BACKUP CONTROL BARRIER FUNCTIONS: FORMULATION AND COMPARATIVE STUDY.....	5814
<i>Yuxiao Chen, Mrdjan Jankovic, Mario Santillo, Aaron D. Ames</i>	
COMPUTATION-AWARE DATA-DRIVEN MODEL DISCRIMINATION WITH APPLICATION TO DRIVER INTENT IDENTIFICATION.....	5821
<i>Mohit Bhagwat, Zeyuan Jin, Sze Zheng Yong</i>	
KOOPMAN-BASED KALMAN FILTER FOR FAULT DETECTION FOR THE SUPERCONDUCTING RADIO FREQUENCY CAVITIES OF THE EUROPEAN XFEL	5828
<i>Wasif Haider Syed, Annika Eichler, Ayla Nawaz, Bindu Sharan, Herbert Werner</i>	

DIAGNOSABILITY OF LABELED WEIGHTED AUTOMATA OVER THE MONOID ($Q \geq 0, +, 0$).....	5834
<i>Kuize Zhang, Jörg Raisch</i>	
FAULT DIAGNOSIS OF NONLINEAR SYSTEMS USING A HYBRID-DEGREE DUAL CUBATURE-BASED ESTIMATION SCHEME.....	5840
<i>Yanyan Shen, Khashayar Khorasani</i>	
LOEWNER FUNCTIONS AND MODEL ORDER REDUCTION FOR NONLINEAR INPUT- AFFINE DESCRIPTOR SYSTEMS.....	5848
<i>Joel D. Simard, Alessandro Astolfi</i>	
PARAMETRIC MODEL REDUCTION VIA RATIONAL INTERPOLATION ALONG PARAMETERS.....	5856
<i>Ion Victor Gosea, Serkan Gugercin, Benjamin Unger</i>	
ON MODEL REDUCTION BY LEAST SQUARES MOMENT MATCHING	5862
<i>Alberto Padoan</i>	
RGA-SOBAR: SECOND-ORDER BLOCK ARNOLDI METHOD BASED ON RELATIVE GAIN ARRAY FOR MODEL ORDER REDUCTION OF MIMO RCS CIRCUITS	5869
<i>Xinjie Zhang, Hai-Bao Chen, Jie Chen</i>	
OPTIMAL H8 LMI-BASED MODEL REDUCTION BY MOMENT MATCHING FOR LINEAR TIME-INVARIANT MODELS	5875
<i>M. F. Shakib, G. Scarciotti, M. Jungers, A. Y. Pogromsky, A. Pavlov, N. van de Wouw</i>	
ROBUSTNESS GUARANTEES FOR STRUCTURED MODEL REDUCTION OF DYNAMICAL SYSTEMS.....	5881
<i>Ayush Pandey, Richard M. Murray</i>	
LARGE SCALE SYSTEMS AND SIR MODELS: A FEATURED GRAPHON APPROACH	5889
<i>Alex Duniak, Peter E. Caines</i>	
EXTENDED EVENT-TRIGGERED CONSENSUS STRATEGY FOR LINEAR MULTI-AGENT SYSTEMS BASED ON CONDENSATION GRAPH.....	5895
<i>Haochen Ding, Ming Xin</i>	
STATE ESTIMATION OF NON-LINEAR SYSTEMS OVER RANDOM ACCESS WIRELESS NETWORKS*.....	5901
<i>Alejandro I. Maass, Dragan Nešić</i>	
SCHEDULING NETWORKED CONTROL SYSTEMS UNDER LIMITED COMMUNICATION CAPACITY	5907
<i>Atreyee Kundu</i>	
RESILIENT CONTROL OF UNCERTAIN NETWORKED SYSTEMS UNDER DOS ATTACKS	5913
<i>Xile Kang, Hideaki Ishii</i>	
OPTIMAL CONTROL OF URBAN HUMAN MOBILITY FOR EPIDEMIC MITIGATION.....	5919
<i>Muhammad Umar B. Niazi, Carlos Canudas-de-Wit, Alain Kibangou, Pierre-Alexandre Bliman</i>	
ENERGY SAVINGS ALONE CANNOT EXPLAIN THE EMERGENCE OF BIRDS ECHELON FORMATIONS	5925
<i>Mingming Shi, Julien M. Hendrickx</i>	

DISTRIBUTED MODEL-FREE POLICY ITERATION FOR NETWORKS OF HOMOGENEOUS SYSTEMS	5931
<i>Shahriar Talebi, Siavash Alemzadeh, Mehran Mesbahi</i>	
DISTRIBUTED MULTI-ARMED BANDIT OVER ARBITRARY UNDIRECTED GRAPHS	5937
<i>Jingxuan Zhu, Ji Liu</i>	
RECEDING HORIZON CONTROL IN DEEP STRUCTURED TEAMS: A PROVABLY TRACTABLE LARGE-SCALE APPROACH WITH APPLICATION TO SWARM ROBOTICS	5943
<i>Jalal Arabneydi, Amir G. Aghdam</i>	
DEEP STRUCTURED TEAMS IN ARBITRARY-SIZE LINEAR NETWORKS: DECENTRALIZED ESTIMATION, OPTIMAL CONTROL AND SEPARATION PRINCIPLE	5951
<i>Jalal Arabneydi, Amir G. Aghdam</i>	
HEURISTIC SYNTHESIS OF COVERT ATTACKERS AGAINST UNKNOWN SUPERVISORS.....	5958
<i>Liyong Lin, Ruochen Tai, Yuting Zhu, Rong Su</i>	
ENFORCING STATE-BASED OPACITY USING SYNCHRONIZING AUTOMATA	5964
<i>Jaime A. Dulce-Galindo, Lucas V. R. Alves, Guilherme V. Raffo, Patrícia N. Pena</i>	
SECURE-BY-CONSTRUCTION CONTROLLER SYNTHESIS FOR STOCHASTIC SYSTEMS UNDER LINEAR TEMPORAL LOGIC SPECIFICATIONS.....	5970
<i>Yifan Xie, Xiang Yin, Shaoyuan Li, Majid Zamani</i>	
LOCAL OPACITY VERIFICATION FOR DISTRIBUTED DISCRETE EVENT SYSTEMS	5977
<i>Sasinee Pruekprasert, Kai Cai</i>	
A DISTRIBUTED ALGORITHM FOR ECONOMIC DISPATCH PROBLEM IN MULTI-ENERGY SYSTEMS.....	5983
<i>Jialan Huang, Zhibin Wang, Qimin Xu, Shanying Zhu</i>	
ON EFFICIENT AGGREGATION OF DISTRIBUTED ENERGY RESOURCES	5989
<i>Zuguang Gao, Khaled Alshehri, John R. Birge</i>	
ANALYSIS OF HIGHER ORDER SLIDING MODE CONTROLLERS WITH BOUNDARY LAYER APPROXIMATION.....	5995
<i>Antonio Rosales, Ismael Castillo, Leonid Freidovich</i>	
DECENTRALIZED SLIDING MODE CONTROL FOR OUTPUT TRACKING OF LARGE-SCALE INTERCONNECTED SYSTEMS*	6001
<i>Yueheng Ding, Xing-Gang Yan, Zehui Mao, Bin Jiang, Sarah K. Spurgeon</i>	
AN ACTUATOR FAULT ACCOMMODATION SLIDING-MODE CONTROL APPROACH FOR TRAJECTORY TRACKING IN QUAD-ROTORS.....	6007
<i>Romeo Falcón, Héctor Ríos, Alejandro Dzul</i>	
TARGET FORMATION ON THE CIRCLE BY MONOTONE SYSTEM DESIGN.....	6013
<i>Cyrus Mostajeran, Jin Gyu Lee, Graham Van Goffrier, Rodolphe Sepulchre</i>	
FORMATION CONTROL OF MULTIPLE NONHOLONOMIC VEHICLES WITH LOCAL MEASUREMENTS IN 3D SPACE	6019
<i>Shuai Li, Chen Wang, Guangming Xie</i>	
AN INFORMATION FLOW FILTER APPROACH TO FORMATION CONTROL FOR HETEROGENEOUSLY SCHEDULED LPV AGENTS.....	6025
<i>Aly Attallah, Herbert Werner</i>	

DISTRIBUTED FIXED-TIME ORIENTATION SYNCHRONIZATION WITH APPLICATION
TO FORMATION CONTROL 6031
Chinmay Garanayak, Dwaipayan Mukherjee

CONSTRAINT-BASED VERIFICATION OF FORMATION CONTROL 6037
*Julien Alexandre Dit Sandretto, Alexandre Chapoutot, Christophe Garion, Xavier Thirioux,
Ghiles Ziat*

Author Index