

IEEE TRANSACTIONS ON AUTOMATIC CONTROL

A PUBLICATION OF THE IEEE CONTROL SYSTEMS SOCIETY



DECEMBER 2010

VOLUME 55

NUMBER 12

IETAA9

(ISSN 0018-9286)

Scanning the Issue 2677

PAPERS

Cooperative Minimum Time Surveillance With Multiple Ground Vehicles	<i>D. A. Anisi, P. Ögren, and X. Hu</i>	2679
A Separation Principle for the Continuous-Time LQ-Problem With Markovian Jump Parameters	<i>M. D. Fragoso and O. L. V. Costa</i>	2692
Non-Asymptotic Confidence Sets for the Parameters of Linear Transfer Functions	<i>M. C. Campi and E. Weyer</i>	2708
Engineering Stable Discrete-Time Quantum Dynamics via a Canonical QR Decomposition	<i>S. Bolognani and F. Ticozzi</i>	2721
Asynchronous Distributed Optimization With Event-Driven Communication	<i>M. Zhong and C. G. Cassandras</i>	2735
Finite Adaptability in Multistage Linear Optimization	<i>D. Bertsimas and C. Caramanis</i>	2751
Optimal Scheduling of a Single-Supplier Single-Manufacturer Supply Chain With Common due Windows	<i>W.-K. Yeung, T.-M. Choi, and T. C. E. Cheng</i>	2767
Optimization Based Production Planning With Hybrid Dynamics and Constraints	<i>Q. Zhai, X. Guan, and F. Gao</i>	2778

TECHNICAL NOTES AND CORRESPONDENCE

The Optimal Observability of Partially Observable Markov Decision Processes: Discrete State Space	<i>M. Rezaeian, B.-N. Vo, and J. S. Evans</i>	2793
The NCE (Mean Field) Principle With Locality Dependent Cost Interactions	<i>M. Huang, P. E. Caines, and R. P. Malhamé</i>	2799
Three-Dimensional Motion Coordination in a Spatiotemporal Flowfield	<i>S. Hernandez and D. A. Paley</i>	2805
On the Equivalent Relationship Between Generalized Performance, Robust Stability, and Quadratic Stability	<i>C.-P. Wei and L. Lee</i>	2811
NGMV Control of Delayed Piecewise Affine Systems	<i>Y. Pang and M. J. Grimble</i>	2817
Global Regulation of a Class of Uncertain Nonlinear Systems by Switching Adaptive Controller	<i>M.-S. Koo, H.-L. Choi, and J.-T. Lim</i>	2822

(Contents Continued on Back Cover)

请阅后放回:

排架号 E228 处



A Class of Bounded Distributed Control Strategies for Connectivity Preservation in Multi-Agent Systems	A. Ajorlou, A. Momeni, and A. G. Aghdam	2828
Formal Analysis of Discrete-Time Piecewise Affine Systems	B. Jordanov and C. Belta	2834
Further Results on the Use of Nussbaum Gains in Adaptive Neural Network Control	H. E. Psillakis	2841
Stochastic Stabilization of Noisy Linear Systems With Fixed-Rate Limited Feedback	S. Yüksel	2847
On Uncontrollable Discrete-Time Bilinear Systems Which are "Nearly" Controllable	L. Tie, K.-Y. Cai, and Y. Lin	2853
Stochastic Optimization on Continuous Domains With Finite-Time Guarantees by Markov Chain Monte Carlo Methods ..	A. Lecchini-Visintini, J. Lygeros, and J. M. Maciejowski	2858
A Unified Lyapunov Approach to Analysis of Oscillations and Stability for Systems With Piecewise Linear Elements,...	T. Hu, T. Thibodeau, and A. R. Teel	2864
The Design of Multi-Lead-Compensators for Stabilization and Pole Placement in Double-Integrator Networks	Y. Wan, S. Roy, A. Saberi, and A. Stoorvogel	2870
Error-Constrained Filtering for a Class of Nonlinear Time-Varying Delay Systems With Non-Gaussian Noises	G. Wei, Z. Wang, and B. Shen	2876
D-Stability and Delay-Independent Stability of Homogeneous Cooperative Systems	V. S. Bokharaie, O. Mason, and M. Verwoerd	2882
Some New Criteria on p th Moment Stability of Stochastic Functional Differential Equations With Markovian Switching ..	S. Peng and Y. Zhang	2886
A Distributed Control Approach to A Robust Output Regulation Problem for Multi-Agent Linear Systems	X. Wang, Y. Hong, J. Huang, and Z.-P. Jiang	2891
On Estimation Across Analog Erasure Links With and Without Acknowledgements	V. Gupta	2896
Stabilizing Quantum States by Constructive Design of Open Quantum Dynamics	F. Ticozzi, S. G. Schirmer, and X. Wang	2901
<hr/>		
List of Reviewers for 2009		2906
<hr/>		
2010 INDEX		2913
<hr/>		