
Contents

Statistical Learning Theory: A Pack-based Strategy for Uncertain Feasibility and Optimization Problems <i>Teodoro Alamo, Roberto Tempo, Eduardo F. Camacho</i>	1
UAV Formation Control: Theory and Application <i>Brian D.O. Anderson, Barış Fidan, Changbin Yu, Dirk van der Walle</i> ...	15
Electrical and Mechanical Passive Network Synthesis <i>Michael Z.Q. Chen, Malcolm C. Smith</i>	35
Output Synchronization of Nonlinear Systems with Relative Degree One <i>Nikhil Chopra, Mark W. Spong</i>	51
On the Computation of Optimal Transport Maps Using Gradient Flows and Multiresolution Analysis <i>Ayelet Dominitz, Sigurd Angenent, Allen Tannenbaum</i>	65
Realistic Anchor Positioning for Sensor Localization <i>Barış Fidan, Soura Dasgupta, Brian D.O. Anderson</i>	79
Graph Implementations for Nonsmooth Convex Programs <i>Michael C. Grant, Stephen P. Boyd</i>	95
When Is a Linear Continuous-time System Easy or Hard to Control in Practice? <i>Shinji Hara, Masaaki Kanno</i>	111
Metrics and Morphing of Power Spectra <i>Xianhua Jiang, Shahrouz Takyar, Tryphon T. Georgiou</i>	125
A New Type of Neural Computation <i>Hidenori Kimura, Shingo Shimoda</i>	137

Getting Mobile Autonomous Robots to Form a Prescribed Geometric Arrangement <i>Laura Krick, Mireille Broucke, Bruce Francis</i>	149
Convex Optimization in Infinite Dimensional Spaces <i>Sanjoy K. Mitter</i>	161
The Servomechanism Problem for SISO Positive LTI Systems <i>Bartek Roszak, Edward Davison</i>	181
Passivity-based Stability of Interconnection Structures <i>Eduardo D. Sontag, Murat Arcak</i>	195
Identification of Linear Continuous-time Systems Based on Iterative Learning Control <i>Toshiharu Sugie</i>	205
A Pontryagin Maximum Principle for Systems of Flows <i>Héctor J. Sussmann</i>	219
Safe Operation and Control of Diesel Particulate Filters Using Level Set Methods <i>Stuart Swift, Keith Glover, Nick Collings</i>	233
Robust Control of Smart Material-based Actuators <i>Sina Valadkhan, Kirsten Morris, Amir Khajepour</i>	249
Behaviors Described by Rational Symbols and the Parametrization of the Stabilizing Controllers <i>Jan C. Willems, Yutaka Yamamoto</i>	263
Author Index	279