AUTHOR INDEX

Abdallah, C. T.	Recent Advances on Linear Control Theory under Communication Constraints: A Survey	TEA1-1
Abdallah, C. T.	Finite-Time Control of Linear Mechanical Systems Subject to Non- smooth Impacts	TLA1-2
Abdel-Moneim, T. M.	On Three-Phase Six-Switches Voltage Source Inverter: A 150° Conduction Mode	TLA3-4
Aberkane, S.	Static Output-Feedback H-infinity Control of a Class of Stochastic Hybrid Systems with Wiener Process	FEA3-2
Abu-Khalaf, M.	A Neural Network Solution For Fixed- Final Time Optimal Control of Nonlinear Systems	TM2-3
Acho, L.	Synchronization of Mechanical Systems with a New Van der Pol Chaotic Oscillator	TLA1-1
Afroun, M.	Planning Optimal Motions for a DELTA Parallel Robot	WLA4-2
Agamennoni , O.	Robust Control of Wiener Systems: A Case Study	FM2-6
Aguilar, L. T.	Synchronization of Mechanical Systems with a New Van der Pol Chaotic Oscillator	TLA1-1
Ahmida, Z.	Stable Nonlinear Receding Horizon Regulator using RBF Neural Network Models	TM2-6
Ahn, B. H.	Further Results on Stability of a Rigid Robot with Model Uncertainty and Time-delay in Feedback	WLA4-1
Ailon, A.	Optimal Path and Tracking Control of an Autonomous VTOL Aircraft	TEA3-5
Ailon, A.	Further Results on Stability of a Rigid Robot with Model Uncertainty and Time-delay in Feedback	WLA4-1
Aivasidis, A.	A Fuzzy Cognitive Network Based Control Scheme for an Anaerobic Digestion Process	TM5-1
Alimhan, K.	Global Output Tracking for a Class of Nonlinear Systems by Output Feedback	FM3-2
Allgower, F.	A Finite Time Unknown Input Observer for Linear Systems	WEA2-1
Almeida, T.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5

Alonso-Quesada, S.	Adaptive Multimodel Estimation for Synthesis of a Robust Stabilizer Under Imperfect Knowledge of the Plant Delay	WLA3-4
Alves, J.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Alvis, W.	Swarm Formation Control with Potential Fields Formed by Bivariate Normal Functions	TM1-1
Amato, F.	On the Region of Asymptotic Stability of Nonlinear Quadratic Systems	FM3-3
Ament, C.	Multisensory Human Postural Control: Neurological and Engineering Perspectives	TM4-2
Anderlucci, M.	An Unknown Input Observer for Singular Time-Delay Systems	WEA2-2
Andrenacci, L.	A Modern Approach to the Automatic Design and Testing of Domestic Appliances	TLA4-4
Angeli, D.	A Note on Monotone Systems with Positive Translation Invariance	FLA3-2
Antonelli, G.	Experiments of Formation Control with Collisions Avoidance using the Null- Space-Based Behavioral Control	WM3-1
Antonelli, G.	An Adaptive Law for Guidance and Control of Remotely Operated Vehicles	FM4-1
Antsaklis, P. J.	Decentralized Formation Tracking of Multi-vehicle Systems via Nonlinear Consensus	WM1-6
Antsaklis, P. J.	Convergence Rate of Quantization Error in Networked Control Systems	TEA2-1
Antsaklis, P. J.	Stability of One-Dimensional Spatially Invariant Arrays Perturbed by White Noise	WLA3-2
Antsaklis, P. J.	Model-Based Control with Intermittent Feedback	TEA1-4
Aoustin, Y.	Observer-based Control for Absolute Orientation Estimation of a Five-link Walking Biped Robot	FM1-5
Arrichiello, F.	Experiments of Formation Control with Collisions Avoidance using the Null- Space-Based Behavioral Control	WM3-1
Asheghan, M.	A New Decision Making Method Based on Fuzzificated Dempster Shafer Theory, A Sample Application in Medicine	WM2-3

Asthana, P.	Experimental Validation of a Real-Time Model-Based Sensor Fault	FM1-1
Aurisicchio, G.	Impulsive Noise in Railway Automated Monitoring: a Recursive Filtering Approach	WEA2-5
Avdonin, S.	Boundary Controllability and Inverse Problems for the Wave Equation on Graphs	WEA3-1
Ayaz, M.	Control of Switched Reluctance Motor Containing a Linear Model	TLA3-2
Bakosova, M.	Control of a Continuous-time Stirred Tank Reactor via Robust Static Output Feedback	TM5-5
Balaguer, P.	The Control Problem: a Framework for Holistic Design	TM4-1
Balestrino, A.	Performance Indices and Tuning in Process Control	TM5-3
Balestrino, A.	Particle Filtering within a Set- Membership Approach to State Estimation	WEA2-3
Ballal, P.	Deadlock Free Dynamic Resource Assignment in Multi-robot Systems with Multiple Missions: a Matrix-based Approach	FM1-2
Banda, S. S.	Aerospace Controls: The Way Forward WP	WP
Baras, J. S.	Distributed Control of Autonomous Swarms by using Parallel Simulated Annealing Algorithm	TM1-2
Baras, J. S.	Efficient Sampling for Keeping Track of an Ornstein-Uhlenbeck Process	TM4-6
Barišić, M. Barlas, I.	Autotuning Autopilots for Micro-ROVs Target Tracking with Unmanned Aerial Vehicles: From Single to Swarm Vehicle Autonomy and Intelligence	FM4-5 WM1-3
Barnes, L.	Swarm Formation Control with Potential Fields Formed by Bivariate Normal Functions	TM1-1
Batista, P.	A Sensor Based Homing Strategy for Autonomous Underwater Vehicles	TM3-6
Beale, G. O.	Robust Reconfigurable Control for Recovery from Stern and Bow Plane Jams in Underwater Vehicles	FM4-4
Beato, A.	Modelling and Design of the Half-bridge Resonant Inverter for Induction Cooking Application	TLA4-3

Becerra, M.	Stable Nonlinear Receding Horizon Regulator using RBF Neural Network Models	TM2-6
Becis-Aubry, Y.	H-infinity Control of a SCARA Robot using Polytopic LPV Approach	WLA4-3
Becker, R.	Adaptive Flow Control using Slope Seeking	FLA1-1
Belkoura, L.	Delay System Identification Applied to the Longitudinal Flight of an Aircraft through a Vertical Gust	WM4-2
Benitez, S.	Synchronization of Mechanical Systems with a New Van der Pol Chaotic Oscillator	TLA1-1
Benmahammed, K.	Fuzzy Model Based Nonlinear Systems Stabilisation using Switching Control	WLA2-3
Benner, P.	A SLICOT Implementation of a Modified Newton's Method for Algebraic Riccati Equations	FEA2-3
Benyo, Z.	LPV Fault Detection of Glucose-insulin System	TLA2-4
Bernasconi, S.	Integration of Digital Appliances in Demand Side Management Systems	TLA4-2
Bertone, A.	Standard Linux for Embedded Real-time Manufacturing Control Systems	TEA4-2
Biagiola, S.	Robust Control of Wiener Systems: A Case Study	FM2-6
Bianchini, G.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Bistak, P.	Control for Triple Integrator with Constrained Input	TM4-4
Bocchiola, C.	Modelling and Design of the Half-bridge Resonant Inverter for Induction Cooking Application	TLA4-3
Bogdan, S.	Fuzzy Controller Design Based on the Phase Plane Isoclines	TM4-3
Bokor, J.	Robust Model Predictive Control for Controlling Fast Vehicle Dynamics	WM2-2
Bokor, J.	Integrated Uncertainty Model Identification and Robust Control synthesis for linear time-invariant systems	WM4-6
Bokor, J.	LPV Fault Detection of Glucose-insulin System	TLA2-4
Bolender, M. A.	Control Allocation for Overactuated Systems	FEA4-3

Bolender, M. A.	Application of Piecewise Linear Control Allocation to Reusable Launch Vehicle Guidance and Control	FEA4-4
Bono, R.	Modelling and Identification of the Charlie2005 ASC	FLA4-1
Borges de Sousa, J.	Optimal Motion Planning for the Rendezvous of Nonholonomic Vehicles Under Disturbances	TM3-4
Børhaug, E.	An Optimal Guidance Scheme for Cross- track Control of Underactuated Underwater Vehicles	FM4-2
Borozdin, K.	Automated Sequential Search for Weak Radiation Sources	WM2-4
Boudellioua , M. S.	Zero Coprime System Equivalence of Singular 2-D Linear Models	FM2-2
Boumehraz, M.	Fuzzy Model Based Nonlinear Systems Stabilisation using Switching Control	WLA2-3
Bousserhane, I. K.	Direct Field-Oriented Control Design using Backstepping Technique for Induction Motor Speed Control	TLA3-1
Boutalis, Y.	A Fuzzy Cognitive Network Based Control Scheme for an Anaerobic Digestion Process	TM5-1
Boutat-Baddas, L.	H-infinity Control of a SCARA Robot using Polytopic LPV Approach	WLA4-3
Brunno, F.	Parameter Tuning and Hardware Implementation of a Non Integer Order PID Controller	FM2-5
Brunori, V.	A Simple Control Scheme for Mini Unmanned Aerial Vehicles	TEA3-2
Brunori, V.	Feature Matching Algorithms for Machine Vision Based Autonomous Aerial Refueling	WEA1-3
Bruzzone, G.	Standard Linux for Embedded Real-time Manufacturing Control Systems	TEA4-2
Bruzzone, G.	Modelling and Identification of the Charlie2005 ASC	FLA4-1
Burken, J. J.	Adaptive Control Using Neural Network Augmentation for a Modified F-15 Aircraft	WEA1-1
Burken, J. J.	Comparison of Different Neural Augmentations for the Fault Tolerant Control Laws of the WVU YF-22 Model Aircraft	WEA1-4
Caccia, M.	Standard Linux for Embedded Real-time Manufacturing Control Systems	TEA4-2

Caccia, M.	Modelling and Identification of the Charlie2005 ASC	FLA4-1
Caccia, M.	Autonomous Surface Craft: Prototypes and Basic Research Issues	FLA4-2
Cai, G.	Modeling and Control System Design for a UAV Helicopter	WM1-4
Caiti, A.	Cooperative On-line Planning for Adaptative Map Building in Environmental Applications	WM3-2
Caiti, A.	Particle Filtering within a Set- Membership Approach to State Estimation	WEA2-3
Caltabiano, D.	A New Global Localization Algorithm Based on Feature Extraction and Particle Filter	WEA2-4
Campa, G.	Autonomous Formation Flight: Hardware Development	TM1-4
Campa, G.	A Neural Network Based Sensor Validation Scheme for Heavy-Duty Diesel Engines	TM2-5
Campa, G.	3-Aircraft Formation Flight Experiment	TM1-5
Campa, G.	Stability Monitoring and Analysis of Learning in Adaptive Systems	WLA3-1
Campa, G.	Feature Matching Algorithms for Machine Vision Based Autonomous Aerial Refueling	WEA1-3
Campa, G.	A Comparison of Pose Estimation Algorithms for Machine Vision Based Aerial Refueling for UAVs	TEA3-3
Campa, G.	Comparison of Different Neural Augmentations for the Fault Tolerant Control Laws of the WVU YF-22 Model Aircraft	WEA1-4
Campa, G.	Vision-Based Autonomous Probe and Drogue Aerial Refueling	WEA1-5
Campbell, S. L.	Robust Detection of Incipient Faults: an Active Approach	TLA2-1
Canuto, E.	Embedded Model Control of Multiple Satellite Formation Flying	TM1-3
Caponetti, F.	A Framework For Simulations and Tests of Mobile Robotics Tasks	TM3-5
Caponetto, R.	Parameter Tuning and Hardware Implementation of a Non Integer Order PID Controller	FM2-5

Caraballo, E.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Cardoso, F.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Casalino, G.	Distributed Control and Coordination Techniques for Complex Robotics Systems	WM3-6
Cascio, V.	Integration of Digital Appliances in Demand Side Management Systems	TLA4-2
Cavalletti, M.	Multiple Model Control using Neural Networks for a Remotely Operated Vehicle	WLA2-4
Cavallo, M.	Impulsive Noise in Railway Automated Monitoring: a Recursive Filtering	WEA2-5
Celani, F.	A Luenberger-style Observer for Robot Manipulators with Position Measurements	WEA4-3
Cesaretti, M.	Combustion Control in Domestic Boilers using an Oxygen Sensor	TLA4-1
Charef, A.	Stable Nonlinear Receding Horizon Regulator using RBF Neural Network Models	TM2-6
Chen, B. M.	Modeling and Control System Design for a UAV Helicopter	WM1-4
Cheng, T.	A Neural Network Solution For Fixed- Final Time Optimal Control of Nonlinear Systems	TM2-3
Chettibi, T.	Planning Optimal Motions for a DELTA Parallel Robot	WLA4-2
Chevrel, Ph.	A Cooperative Local Observers-based Control for Web Handling Systems: a Dilated LMI Solution	FLA2-3
Chiaramonti, M.	Formation control laws for autonomous flight vehicles	TM1-6
Chiaverini, S.	Experiments of Formation Control with Collisions Avoidance using the Null- Space-Based Behavioral Control	WM3-1
Chriette, A.	Theoretical and Experimental Overview of Bilateral Teleoperation Control Laws	TEA2-4
Christodoulou, M. A.	Recurrent High Order Neural Networks for Identification of the EGFR	TM2-1
Christodoulou, M. A.	Neural Network Models for Prediction of Steady-State and Dynamic Behavior of MAPK Cascade	TM2-2

Chudley, J.	Soft Computing Design of a Linear Quadratic Gaussian Controller for an Unmanned Surface Vehicle	FLA4-3
Ciubotaru, B.	Switching Solution for Multiple-models Control Systems	WLA2-2
Claveau, F.	A Cooperative Local Observers-based Control for Web Handling Systems: a Dilated LMI Solution	FLA2-3
Conte, G.	Combining MPC and LD Analysis in Supply Chain Inventory Control Problem	WM2-1
Conte, G.	Acoustic Mapping and Localization of an ROV	WM3-5
Conte, G.	Combustion Control in Domestic Boilers using an Oxygen Sensor	TLA4-1
Corradini, M. L.	Actuator Failures Compensation: a Sliding Mode Control Approach	TM4-5
Cosentino, C.	On the Region of Asymptotic Stability of Nonlinear Quadratic Systems	FM3-3
Costa, B. A.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Coton, P.	Delay System Identification Applied to the Longitudinal Flight of an Aircraft through a Vertical Gust	WM4-2
Craighead, J.	Automated Process for Unmanned Aerial Systems Controller Implementation using MATLAB	WM1-2
Crisostomi, E.	Particle Filtering within a Set- Membership Approach to State Estimation	WEA2-3
Cukic, B.	Stability Monitoring and Analysis of Learning in Adaptive Systems	WLA3-1
Dalamagkidis, K.	On Improving Endurance of Unmanned Ground Vehicles: The ATRV-Jr Case Study	TM3-2
Dalamagkidis, K.	A Mobile Landing Platform for Miniature Vertical Take-Off and Landing Vehicles	TEA3-1
Dang, P.	Dynamic Localization of Air-Ground Wireless Sensor Networks	WM1-1
Darouach, M.	Full Order Unknown Inputs Observers Design For Delay Systems	FEA1-3
Darouach, M.	H-infinity Control of a SCARA Robot using Polytopic LPV Approach	WLA4-3
Davila, J.	High-Order Sliding-Mode Observer for Linear Systems with Unknown Inputs	FEA1-4

De Francisci, S.	A Direction Dependent Parametric Model for the Vacuum Adhesion System of the Alicia II Robot	WM3-4
De la Sen, M.	Adaptive Multimodel Estimation for Synthesis of a Robust Stabilizer Under Imperfect Knowledge of the Plant Delay	WLA3-4
De Leon, J.	Comparison of two Interconnected Observers for Sensorless Induction Motor Control via a Low	FEA1-5
De Nicolao, G.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Debiasi, M.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Diamantis, V.	A Fuzzy Cognitive Network Based Control Scheme for an Anaerobic Digestion Process	TM5-1
Dimogianopoulos, D. G.	Nonlinear Integral Minimum Variance- Like Control with Application to an Aircraft System	WEA1-2
Dimogianopoulos, D. G.	Fault Detection and Isolation in Aircraft Systems using Stochastic Nonlinear Modelling of Flight Data Dependencies	TLA2-2
Diop, S.	Robust State Estimation of Linear Neutral-type Delay Systems: a Convex Optimization Setting	FEA1-1
Diop, S.	A Differential Algebraic Approach to Anaerobic Digestion Estimation Problems	FEA1-2
Djaferis, T. E.	Algebraic Methods for Function Reconstruction: Application to System Identification	WM4-1
Doman, D. B.	Control Allocation for Overactuated Systems	FEA4-3
Doman, D. B.	Application of Piecewise Linear Control Allocation to Reusable Launch Vehicle Guidance and Control	FEA4-4
Dong, M.	Modeling and Control System Design for a UAV Helicopter	WM1-4
Dorato, P.	Finite-Time Control of Linear Mechanical Systems Subject to Non- smooth Impacts	TLA1-2
Doukas, G. S.	Using the Function Block Model for Robotic Arm Motion Control	WEA4-2

Doulgeri, Z.	A Neuro-Adaptive Controller for the Force/Position Tracking of a Robot Manipulator under Model Uncertainties in Compliance and Friction	WEA4-1
Dritsas, L.	Adaptive Constrained Control of Uncertain ARMA-Systems Based on Set Membership Identification	WM4-5
Dritsas, L.	Constrained Finite Time Control of Networked Systems with Uncertain Delays	TEA2-3
Dube, M. N.	Minimum Startup Time Control of an Ion Exchange Process Used for Water Desalination	TEA4-3
Eichhorn, V.	Development of a Nanohandling Robot Station for Nanocharacterization by an AFM Probe	WEA4-4
El Jai, A.	An Overview on Proper Concepts of Infinite Dimensional Systems	WEA3-3
El-Nabrawy, E. M. O.	Numerator-Denominator Structures of n-D MFDs	FM2-3
Ernst, D.	Automated Process for Unmanned Aerial Systems Controller Implementation using MATLAB	WM1-2
Estrada, T.	Model-Based Control with Intermittent Feedback	TEA1-4
Estrela da Silva, J.	Optimal Motion Planning for the Rendezvous of Nonholonomic Vehicles Under Disturbances	TM3-4
Falugi, P.	Identification of Replicator-Mutator Models	FLA3-4
Fang, H.	Convergence Rate of Quantization Error in Networked Control Systems	TEA2-1
Fang, H.	Stability of One-Dimensional Spatially Invariant Arrays Perturbed by White Noise	WLA3-2
Fang, L.	Decentralized Formation Tracking of Multi-vehicle Systems via Nonlinear Consensus	WM1-6
Farrell, K. D.	Sample-Based HZD Control for Robustness and Slope Invariance of Planar Passive Bipedal Gaits	FM1-4
Fassois, S. D.	Identification of Stochastic Systems Under Multiple Operating Conditions: The Vector Dependent FP-ARX Parametrization	WM4-4

Fassois, S. D.	Nonlinear Integral Minimum Variance- Like Control with Application to an Aircraft System	WEA1-2
Fassois, S. D.	Fault Detection and Isolation in Aircraft Systems using Stochastic Nonlinear Modelling of Flight Data Dependencies	TLA2-2
Fatikow, S.	Development of a Nanohandling Robot Station for Nanocharacterization by an AFM Probe	WEA4-4
Favini, A.	A Quadratic Regulator Problem Related to Identification Problems and Singular Systems	WEA3-2
Felício, P.	Applicability of Standard Formulation Parametric Fault Detection Methods	TLA2-3
Ferreira, H.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Feuerbach, G.	Adaptive Flow Control using Slope Seeking	FLA1-1
Ficola, A.	A Simple Control Scheme for Mini Unmanned Aerial Vehicles	TEA3-2
Ficola, A.	Feature Matching Algorithms for Machine Vision Based Autonomous Aerial Refueling	WEA1-3
Fidan, B.	Decentralized Cohesive Motion Control of Multi-Agent Formations	FM1-3
Fields, M.	Swarm Formation Control with Potential Fields Formed by Bivariate Normal Functions	TM1-1
Figueroa, J.	Robust Control of Wiener Systems: A Case Study	FM2-6
Fiorentini, L.	A State-space Approach to Adaptive Rejection of Harmonic Sensor Disturbances in Discrete-time Systems	WM2-5
Florea, G.	Switching Solution for Multiple-models Control Systems	WLA2-2
Fortuna, L.	Parameter Tuning and Hardware Implementation of a Non Integer Order PID Controller	FM2-5
Fortuna, L.	Comparing Regressors Selection Methods for the Soft Sensor Design of a Sulfur Recovery Unit	TM5-6
Fortuna, L.	Virtual Instruments for the What-if Analysis of a Process for Pollution Minimization in an Industrial Application	TEA4-4

Fossen, T. I.	A Survey of Control Allocation Methods for Ships and Underwater Vehicles	FEA4-2
Frattesi, S.	Modelling and Design of the Half-bridge Resonant Inverter for Induction Cooking Application	TLA4-3
Frattesi, S.	A Modern Approach to the Automatic Design and Testing of Domestic Appliances	TLA4-4
Fravolini, M. L.	A Simple Control Scheme for Mini Unmanned Aerial Vehicles	TEA3-2
Fravolini, M. L.	Feature Matching Algorithms for Machine Vision Based Autonomous Aerial Refueling	WEA1-3
Fravolini, M. L.	A Comparison of Pose Estimation Algorithms for Machine Vision Based Aerial Refueling for UAVs	TEA3-3
Freitas, P.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Fridman, L.	High-Order Sliding-Mode Observer for Linear Systems with Unknown Inputs	FEA1-4
Frontoni, E.	A Framework For Simulations and Tests of Mobile Robotics Tasks	TM3-5
Fuller, E.	Stability Monitoring and Analysis of Learning in Adaptive Systems	WLA3-1
Gambella, L.	Acoustic Mapping and Localization of an ROV	WM3-5
Garcia, A.	Robust Control of Wiener Systems: A Case Study	FM2-6
Gasparri, A.	Pose Recovery for a Mobile Manipulator using a Particle Filter	WM3-3
Gautam, M.	A Neural Network Based Sensor Validation Scheme for Heavy-Duty Diesel Engines	TM2-5
Gautier, M.	Theoretical and Experimental Overview of Bilateral Teleoperation Control Laws	TEA2-4
Germani, M.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Germano, J.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Gershon, E.	Systems with Multiplicative Noise: Stationary Output-feedback Tracking with preview	WM2-6
Gessing, R.	Implementability of Regulation and Partial Decoupling of MIMO Plants	FEA2-5

Ghanes, M.	Comparison of two Interconnected Observers for Sensorless Induction Motor Control via a Low	FEA1-5
Giannetti, L.	Collaboration among Members of a Team: a Heuristic Strategy for Multi-	FM1-6
Giarrè, L.	Identification of Replicator-Mutator Models	FLA3-4
Giordano, V.	Deadlock Free Dynamic Resource Assignment in Multi-robot Systems with Multiple Missions: a Matrix-based Approach	FM1-2
Giua, A.	Constrained Optimal Control: an Application to Semiactive Suspension Systems	WLA1-2
Giulietti, F.	Formation control laws for autonomous flight vehicles	TM1-6
Glumineau, A.	Comparison of two Interconnected Observers for Sensorless Induction Motor Control via a Low	FEA1-5
Graziani, S.	Comparing Regressors Selection Methods for the Soft Sensor Design of a Sulfur Recovery Unit	TM5-6
Graziani, S.	Virtual Instruments for the What-if Analysis of a Process for Pollution Minimization in an Industrial Application	TEA4-4
Gu, Y.	Autonomous Formation Flight: Hardware Development	TM1-4
Gu, Y.	3-Aircraft Formation Flight Experiment	TM1-5
Gururajan, S.	Autonomous Formation Flight: Hardware Development	TM1-4
Gururajan, S.	3-Aircraft Formation Flight Experiment	TM1-5
Gutman, P. O.	Optimal Monitoring and Management of a Water Storage with Pollution Constraints	TM5-2
Habibi, J.	Complexity and Size Analysis of Hybrid System Modeling with Mixed Logical Dynamical Approach	WLA2-1
Halas, M.	Symbolic Computation for Nonlinear Systems using Quotients over Skew Polynomial Ring	FM3-1
Hanchi, S.	Planning Optimal Motions for a DELTA Parallel Robot	WLA4-2
Harinath, E.	Design of Decoupled IMC-Based PI Controller for MIMO Process	FLA2-4
Hayton, G. E.	Numerator-Denominator Structures of n-D MFDs	FM2-3

Hazzab, A.	Direct Field-Oriented Control Design using Backstepping Technique for Induction Motor Speed Control	TLA3-1
Henning, L.	Adaptive Flow Control using Slope Seeking	FLA1-1
Hios, J. D.	Nonlinear Integral Minimum Variance- Like Control with Application to an Aircraft System	WEA1-2
Hios, J. D.	Fault Detection and Isolation in Aircraft Systems using Stochastic Nonlinear Modelling of Flight Data Dependencies	TLA2-2
Houmkozlis, C. H.	A Neuro-Adaptive TCP-like Protocol with Cost Constraints	TEA1-2
Huba, M.	Symbolic Computation for Nonlinear Systems using Quotients over Skew Polynomial Ring	FM3-1
Huba, M.	Control for Triple Integrator with Constrained Input	TM4-4
Huba, M.	Web-Based Tools for Exact Linearization Control Design	FM3-6
Huba, M.	Controller Design Based on the 1st Order Constrained Dynamics	FEA2-4
Ibeas, A.	Adaptive Multimodel Estimation for Synthesis of a Robust Stabilizer Under Imperfect Knowledge of the Plant Delay	WLA3-4
Ibrir, S.	Robust State Estimation of Linear Neutral-type Delay Systems: a Convex Optimization Setting	FEA1-1
Ilak, M.	Reduced-order Models of Linearized Channel Flow using Balanced Truncation	FLA1-3
Iliopoulos, T. N.	Neural Network Models for Prediction of Steady-State and Dynamic Behavior of MAPK Cascade	TM2-2
Inaba, H.	Global Output Tracking for a Class of Nonlinear Systems by Output Feedback	FM3-2
Indiveri, G.	DC Motor Control Issues for UUVs	FM4-3
Innocenti, M.	Vision-Based Autonomous Probe and Drogue Aerial Refueling	WEA1-5
Ioannou, S.	On Improving Endurance of Unmanned Ground Vehicles: The ATRV-Jr Case Study	TM3-2
Ioannou, S.	A Mobile Landing Platform for Miniature Vertical Take-Off and Landing Vehicles	TEA3-1

Ioslovich, I.	Optimal Monitoring and Management of a Water Storage with Pollution Constraints	TM5-2
Ippoliti, G.	Multiple Model Control using Neural Networks for a Remotely Operated Vehicle	WLA2-4
Jagannathan, S.	Adaptive Neural Network Control and Wireless Sensor Network-based Localization for UAV Formation	WM1-5
Jetto, L.	An Eigenvalue Perturbation Result for Stability Bound with Respect to Biased Structured Perturbations	WLA3-3
Jiang, S.	Design of Distributed Controllers with Constrained and Noisy Links	TEA2-5
Johansen, T. A.	Adaptive Optimizing Dynamic Control Allocation Algorithm for Yaw Stabilization of an Automotive Vehicle using Brakes	FEA4-1
Johansen, T. A.	A Survey of Control Allocation Methods for Ships and Underwater Vehicles	FEA4-2
Kaczorek, T.	Controllability to Zero of Positive Bilinear Discrete-Time Systems with Delays	FM2-1
Kamensky, M.	Controller Design Based on the 1st Order Constrained Dynamics	FEA2-4
Kamli, M.	Direct Field-Oriented Control Design using Backstepping Technique for Induction Motor Speed Control	TLA3-1
Kaneshige, J. T.	Adaptive Control Using Neural Network Augmentation for a Modified F-15 Aircraft	WEA1-1
Karampetakis, N. P.	Zero Coprime System Equivalence of Singular 2-D Linear Models	FM2-2
Karampetakis, N. P.	Numerator-Denominator Structures of n-D MFDs	FM2-3
Karayiannidis, Y.	A Neuro-Adaptive Controller for the Force/Position Tracking of a Robot Manipulator under Model Uncertainties in Compliance and Friction	WEA4-1
Keramat Jahromi, K.	Robust Congestion Control in Networks with Multiple Congested Nodes	TEA1-3
Khaki-Sedigh, A.	Complexity and Size Analysis of Hybrid System Modeling with Mixed Logical Dynamical Approach	WLA2-1

Khammash, M.	Modeling and Analysis of a Bacterial Stochastic Switch	FLA3-1
Khosrowjerdi, M. J.	Robust Fault Detection in a Mixed H-2/H-infinity Setting: The Discrete - Time Case	FEA3-1
King, R.	Adaptive Flow Control using Slope Seeking	FLA1-1
Klimenko, A. V.	Automated Sequential Search for Weak Radiation Sources	WM2-4
Kolyvas, E.	Adaptive Pulse Width/Phase Modulated Controller for a High Frequency Active Electro-Hydraulic Pump System	TLA1-4
Kopsaftopoulos, F. P.	Identification of Stochastic Systems Under Multiple Operating Conditions: The Vector Dependent FP-ARX Parametrization	WM4-4
Kosmidou , O.	A Fuzzy Cognitive Network Based Control Scheme for an Anaerobic Digestion Process	TM5-1
Kotta, P.	On Classical State Space Realizability of Bilinear Input-Output Differential Equations	FM3-5
Kotta, Ü.	Verification of the Identifiability Property for Nonlinear Control Systems with Computer Algebra System Mathematica	WM4-3
Kotta, Ü.	On Classical State Space Realizability of Bilinear Input-Output Differential Equations	FM3-5
Kottas, T.	A Fuzzy Cognitive Network Based Control Scheme for an Anaerobic Digestion Process	TM5-1
Koumboulis, F. N.	A Simulated Annealing Controller for Sloshing Suppression in Liquid Transfer with Delayed Resonators	FLA2-2
Koumboulis, F. N.	Robust Exact Model Matching for SISO Systems via Finite Precision Dynamic Output Feedback	FM2-4
Koumboulis, F. N.	Robust PI Controllers for Command Following with Application to an Electropneumatic Actuator	FEA2-1
Koumboulis, F. N.	Robust Tracking and Disturbance Attenuation Controllers for Automatic Steering	FEA2-2

Kouvakas, N. D.	A Simulated Annealing Controller for Sloshing Suppression in Liquid Transfer with Delayed Resonators	FLA2-2
Kovacic, Z.	Fuzzy Controller Design Based on the Phase Plane Isoclines	TM4-3
Kovacs, L.	LPV Fault Detection of Glucose-insulin System	TLA2-4
Koveos, Y.	Robust PID Control for a Micro- Actuator with Structural Uncertainty	FLA2-1
Koveos, Y. C.	Using the Function Block Model for Robotic Arm Motion Control	WEA4-2
Koveos, Y. C.	Adaptive Pulse Width/Phase Modulated Controller for a High Frequency Active Electro-Hydraulic Pump System	TLA1-4
Kray, S.	Development of a Nanohandling Robot Station for Nanocharacterization by an AFM Probe	WEA4-4
Krishnamurty, M.	A Neural Network Based Sensor Validation Scheme for Heavy-Duty Diesel Engines	TM2-5
Kucera, V.	The H_2 Control Problem: State-space and Transfer-function Solution	FEA3-4
Kulcsar, B.	LPV Fault Detection of Glucose-insulin System	TLA2-4
Kumar, A.	Automated Sequential Search for Weak Radiation Sources	WM2-4
Kung, A.	Integration of Digital Appliances in Demand Side Management Systems	TLA4-2
La Cava, M.	A Simple Control Scheme for Mini Unmanned Aerial Vehicles	TEA3-2
La Cava, M.	Feature Matching Algorithms for Machine Vision Based Autonomous Aerial Refueling	WEA1-3
Labibi, B.	Robust Model Reference Adaptive Control of Active Suspension System	WLA1-3
Lachner, F.	A Finite Time Unknown Input Observer for Linear Systems	WEA2-1
Landi, A.	Performance Indices and Tuning in Process Control	TM5-3
Lebastard, V.	Observer-based Control for Absolute Orientation Estimation of a Five-link Walking Biped Robot	FM1-5
Lee, T. H.	Modeling and Control System Design for a UAV Helicopter	WM1-4
Lee, W. H.	Static and dynamic modeling of thermal microgripper	WEA4-5

Lemke, O.	Adaptive Flow Control using Slope Seeking	FLA1-1
Lemos, J. M.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Lemos, J. M.	Adaptive Control in the Presence of Outliers	TEA1-5
Levant, A.	High-Order Sliding-Mode Observer for Linear Systems with Unknown Inputs	FEA1-4
Lewis, F. L.	Dynamic Localization of Air-Ground Wireless Sensor Networks	WM1-1
Lewis, F. L.	Deadlock Free Dynamic Resource Assignment in Multi-robot Systems with Multiple Missions: a Matrix-based Approach	FM1-2
Lewis, F. L.	A Neural Network Solution For Fixed- Final Time Optimal Control of Nonlinear Systems	TM2-3
Lin, H.	Model-Based Control with Intermittent Feedback	TEA1-4
Little, J.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Lohmann, B.	Reduced Order Controller for The Alstom Gasifier Plant	TM5-4
Longhi, S.	Experimental Validation of a Real-Time Model-Based Sensor Fault Detection and Isolation System for Unmanned Ground Vehicles	FM1-1
Longhi, S.	A State-space Approach to Adaptive Rejection of Harmonic Sensor Disturbances in Discrete-time Systems	WM2-5
Longhi, S.	Multiple Model Control using Neural Networks for a Remotely Operated Vehicle	WLA2-4
Longo, D.	A Direction Dependent Parametric Model for the Vacuum Adhesion System of the Alicia II Robot	WM3-4
Lopez, I.	Recent Advances on Linear Control Theory under Communication Constraints: A Survey	TEA1-1
Lourtie, P.	Applicability of Standard Formulation Parametric Fault Detection Methods	TLA2-3
Lucas, C.	A New Decision Making Method Based on Fuzzificated Dempster Shafer Theory, A Sample Application in Medicine	WM2-3

Ludington, B.	Target Tracking with Unmanned Aerial Vehicles: From Single to Swarm Vehicle Autonomy and Intelligence	WM1-3
Lunghi, A.	Vision-Based Autonomous Probe and Drogue Aerial Refueling	WEA1-5
Lupu, C.	Switching Solution for Multiple-models Control Systems	WLA2-2
Lygeros, J.	Adaptive Constrained Control of Uncertain ARMA-Systems Based on Set Membership Identification	WM4-5
Magni, P.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Mahboubi, H.	Complexity and Size Analysis of Hybrid System Modeling with Mixed Logical Dynamical Approach	WLA2-1
Maleki, N.	Robust Model Reference Adaptive Control of Active Suspension System	WLA1-3
Mammarella, M.	A Comparison of Pose Estimation Algorithms for Machine Vision Based Aerial Refueling for UAVs	TEA3-3
Mancini, A.	A Framework For Simulations and Tests of Mobile Robotics Tasks	TM3-5
Mann, G.	Design of Decoupled IMC-Based PI Controller for MIMO Process	FLA2-4
Marcassus, N.	Theoretical and Experimental Overview of Bilateral Teleoperation Control Laws	TEA2-4
Marconi, L.	Modeling and analysis of a reduced- complexity ducted MAV	TEA3-4
Marino, R.	Global Adaptive Learning Control for Current-fed Induction Motor Servo Drives	TLA3-3
Massotti, L.	Embedded Model Control of Multiple Satellite Formation Flying	TM1-3
Mati, R.	Vision-Based Autonomous Probe and Drogue Aerial Refueling	WEA1-5
Mayyas, M.	Static and dynamic modeling of thermal microgripper	WEA4-5
Mazari, B.	Direct Field-Oriented Control Design using Backstepping Technique for Induction Motor Speed Control	TLA3-1
Medaglia, M.	Performance Indices and Tuning in Process Control	TM5-3
Mendigutxia, J.	Integration of Digital Appliances in Demand Side Management Systems	TLA4-2

Mengali, G.	Formation control laws for autonomous flight vehicles	TM1-6
Menini, L.	Finite-Time Control of Linear Mechanical Systems Subject to Non- smooth Impacts	TLA1-2
Mergner, T.	Multisensory Human Postural Control: Neurological and Engineering Perspectives	TM4-2
Merola, A.	On the Region of Asymptotic Stability of Nonlinear Quadratic Systems	FM3-3
Meszaros, A.	Control of a Continuous-time Stirred Tank Reactor via Robust Static Output Feedback	TM5-5
Michaelides, M. P.	Event Source Position Estimation using Sensor Networks	TEA2-2
Mišković, N.	Autotuning Autopilots for Micro-ROVs	FM4-5
Mohammadzaman, I.	Adaptive Predictive Control of an Electromagnetic Suspension System with LOLIMOT Identifier	WLA1-1
Monteriù, A.	Experimental Validation of a Real-Time Model-Based Sensor Fault Detection and Isolation System for Unmanned Ground Vehicles	FM1-1
Moog, C. H.	Verification of the Identifiability Property for Nonlinear Control Systems with Computer Algebra System Mathematica	WM4-3
Moreno, R.	The Control Problem: a Framework for Holistic Design	TM4-1
Moreno, W.	Swarm Formation Control with Potential Fields Formed by Bivariate Normal Functions	TM1-1
Morris, B.	Sample-Based HZD Control for Robustness and Slope Invariance of Planar Passive Bipedal Gaits	FM1-4
Morzy´nski, M.	Control Oriented Models & Feedback Design in Fluid Flow Systems: A Review FP	FP
Moshiri, B.	Complexity and Size Analysis of Hybrid System Modeling with Mixed Logical Dynamical Approach	WLA2-1
Mostafa, M. Z.	On Three-Phase Six-Switches Voltage Source Inverter: A 150° Conduction Mode	TLA3-4
Moustakides, G.	Efficient Sampling for Keeping Track of an Ornstein-Uhlenbeck Process	TM4-6

Mullari, T.	On Classical State Space Realizability of Bilinear Input-Output Differential Equations	FM3-5
Munafo', A.	Cooperative On-line Planning for Adaptative Map Building in Environmental Applications	WM3-2
Munsky, B.	Modeling and Analysis of a Bacterial Stochastic Switch	FLA3-1
Muscato, G.	A Direction Dependent Parametric Model for the Vacuum Adhesion System of the Alicia II Robot	WM3-4
Muscato, G.	A New Global Localization Algorithm Based on Feature Extraction and Particle Filter	WEA2-4
Naeem, W.	Soft Computing Design of a Linear Quadratic Gaussian Controller for an Unmanned Surface Vehicle	FLA4-3
Naldi, R.	Modeling and analysis of a reduced- complexity ducted MAV	TEA3-4
Napoli, G.	Comparing Regressors Selection Methods for the Soft Sensor Design of a Sulfur Recovery Unit	TM5-6
Napoli, G.	Virtual Instruments for the What-if Analysis of a Process for Pollution Minimization in an Industrial Application	TEA4-4
Napolitano, M. R.	Autonomous Formation Flight: Hardware Development	TM1-4
Napolitano, M. R.	A Neural Network Based Sensor Validation Scheme for Heavy-Duty Diesel Engines	TM2-5
Napolitano, M. R.	3-Aircraft Formation Flight Experiment	TM1-5
Napolitano, M. R.	Stability Monitoring and Analysis of Learning in Adaptive Systems	WLA3-1
Napolitano, M. R.	A Comparison of Pose Estimation Algorithms for Machine Vision Based Aerial Refueling for UAVs	TEA3-3
Naso, D.	Impulsive Noise in Railway Automated Monitoring: a Recursive Filtering Approach	WEA2-5
Neise, W.	Adaptive Flow Control using Slope Seeking	FLA1-1
Nikolakopoulos, G.	Adaptive Constrained Control of Uncertain ARMA-Systems Based on Set Membership Identification	WM4-5

Nikolakopoulos, G.	Constrained Finite Time Control of Networked Systems with Uncertain Delays	TEA2-3
Nikolakopoulos, G.	Robust PID Control for a Micro- Actuator with Structural Uncertainty	FLA2-1
Nikoukhah, R.	Robust Fault Detection in a Mixed H-2/H-infinity Setting: The Discrete - Time Case	FEA3-1
Nikoukhah, R.	Robust Detection of Incipient Faults: an Active Approach	TLA2-1
Nikravesh, S. K. Y.	Robust Congestion Control in Networks with Multiple Congested Nodes	TEA1-3
Nitsche, W.	Adaptive Flow Control using Slope Seeking	FLA1-1
Noack, B. R.	Control Oriented Models & Feedback Design in Fluid Flow Systems: A Review FP	FP
Nõmm, S.	Verification of the Identifiability Property for Nonlinear Control Systems with Computer Algebra System Mathematica	WM4-3
Ntellis, A. S.	Robust Tracking and Disturbance Attenuation Controllers for Automatic Steering	FEA2-2
Nurtazina, K.	Boundary Controllability and Inverse Problems for the Wave Equation on Graphs	WEA3-1
O'Dea, E.	Control Law Design for Channel Flow 2D Designs and 3D Performance Evaluation	FLA1-4
Oliveira, P.	A Sensor Based Homing Strategy for Autonomous Underwater Vehicles	TM3-6
Oliveira, P.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Oliveira, R.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Ondera, M.	Web-Based Tools for Exact Linearization Control Design	FM3-6
Oppenheimer, M. W.	Control Allocation for Overactuated Systems	FEA4-3
Oppenheimer, M. W.	Application of Piecewise Linear Control Allocation to Reusable Launch Vehicle Guidance and Control	FEA4-4
Orlando, G.	Actuator Failures Compensation: a Sliding Mode Control Approach	TM4-5

Orsini, V.	An Eigenvalue Perturbation Result for Stability Bound with Respect to Biased Structured Perturbations	WLA3-3
Ozbay, H.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Pagnottelli, S.	SARA: a Flexible Framework for Rapid Prototyping of Mobile Robotics Applications	TM3-3
Panagiotakis, G. E.	A Simulated Annealing Controller for Sloshing Suppression in Liquid Transfer with Delayed Resonators	FLA2-2
Panayiotou, C. G.	Event Source Position Estimation using Sensor Networks	TEA2-2
Pandolfi, L.	A Quadratic Regulator Problem Related to Identification Problems and Singular Systems	WEA3-2
Panzieri, S.	Pose Recovery for a Mobile Manipulator using a Particle Filter	WM3-3
Parlangeli, G.	DC Motor Control Issues for UUVs	FM4-3
Parlangeli, G.	Actuator Failures Compensation: a Sliding Mode Control Approach	TM4-5
Paschalidis, I. C.	Combining MPC and LD Analysis in Supply Chain Inventory Control Problem	WM2-1
Paschedag, T.	Constrained Optimal Control: an Application to Semiactive Suspension Systems	WLA1-2
Pascoal, A.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Pascucci, F.	Pose Recovery for a Mobile Manipulator using a Particle Filter	WM3-3
Pasqualini, L.	A Modern Approach to the Automatic Design and Testing of Domestic Appliances	TLA4-4
Passino, K. M.	Systems Biology of Group Decision Making TP	TP
Pavlov, A.	An Optimal Guidance Scheme for Cross- track Control of Underactuated Underwater Vehicles	FM4-2
Peng, K.	Modeling and Control System Design for a UAV Helicopter	WM1-4
Péni, T.	Robust Model Predictive Control for Controlling Fast Vehicle Dynamics	WM2-2

Pennesi, P.	Combining MPC and LD Analysis in Supply Chain Inventory Control Problem	WM2-1
Perdon, A. M.	An Unknown Input Observer for Singular Time-Delay Systems	WEA2-2
Perhinschi, M. G.	A Neural Network Based Sensor Validation Scheme for Heavy-Duty Diesel Engines	TM2-5
Perhinschi, M. G.	Comparison of Different Neural Augmentations for the Fault Tolerant Control Laws of the WVU YF-22 Model Aircraft	WEA1-4
Petrescu, C.	Switching Solution for Multiple-models Control Systems	WLA2-2
Pettersen, K. Y.	An Optimal Guidance Scheme for Cross- track Control of Underactuated Underwater Vehicles	FM4-2
Petz, R.	Adaptive Flow Control using Slope Seeking	FLA1-1
Pezhman, K.	A New Decision Making Method Based on Fuzzificated Dempster Shafer Theory, A Sample Application in Medicine	WM2-3
Piedade, M. S.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Plestan, F.	Observer-based Control for Absolute Orientation Estimation of a Five-link Walking Biped Robot	FM1-5
Poggesi, I.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Pollini, L.	A Comparison of Pose Estimation Algorithms for Machine Vision Based Aerial Refueling for UAVs	TEA3-3
Pollini, L.	Vision-Based Autonomous Probe and Drogue Aerial Refueling	WEA1-5
Ponsart, J. C.	Static Output-Feedback H-infinity Control of a Class of Stochastic Hybrid Systems with Wiener Process	FEA3-2
Popa, D.	Static and dynamic modeling of thermal microgripper	WEA4-5
Popa, O. D.	Dynamic Localization of Air-Ground Wireless Sensor Networks	WM1-1
Popescu, D.	Switching Solution for Multiple-models Control Systems	WLA2-2

Porto, D.	Parameter Tuning and Hardware Implementation of a Non Integer Order PID Controller	FM2-5
Potini, A.	Finite-Time Control of Linear Mechanical Systems Subject to Non- smooth Impacts	TLA1-2
Priedhorsky, W. C.	Automated Sequential Search for Weak Radiation Sources	WM2-4
Pugh, A. C.	Numerator-Denominator Structures of n-D MFDs	FM2-3
Puna, D.	Control of a Continuous-time Stirred Tank Reactor via Robust Static Output Feedback	TM5-5
Rabah, R.	On Strong Regular Stabilizability for Linear Neutral Type Systems	WEA3-4
Rabi, M.	Efficient Sampling for Keeping Track of an Ornstein-Uhlenbeck Process	TM4-6
Raff, T.	A Finite Time Unknown Input Observer for Linear Systems	WEA2-1
Rahli, M.	Direct Field-Oriented Control Design using Backstepping Technique for Induction Motor Speed Control	TLA3-1
Ravera, G.	Standard Linux for Embedded Real-time Manufacturing Control Systems	TEA4-2
Reimann, J.	Target Tracking with Unmanned Aerial Vehicles: From Single to Swarm Vehicle Autonomy and Intelligence	WM1-3
Rezounenko, A. V.	On Strong Regular Stabilizability for Linear Neutral Type Systems	WEA3-4
Richard, J. P.	Delay System Identification Applied to the Longitudinal Flight of an Aircraft through a Vertical Gust	WM4-2
Robinett, R. D. III	Exergy and Irreversible Entropy Production Thermodynamic Concepts for Control Design: Nonlinear Systems	FM3-4
Rocchetti, M.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Rödönyi, G.	Integrated Uncertainty Model Identification and Robust Control synthesis for linear time-invariant systems	WM4-6
Rogers, E.	Control Law Design for Channel Flow 2D Designs and 3D Performance Evaluation	FLA1-4

Rovithakis, G. A.	A Neuro-Adaptive Controller for the Force/Position Tracking of a Robot Manipulator under Model Uncertainties in Compliance and Friction	WEA4-1
Rovithakis, G. A.	A Neuro-Adaptive TCP-like Protocol with Cost Constraints	TEA1-2
Rowe, L.	Autonomous Formation Flight: Hardware Development	TM1-4
Rowe, L.	3-Aircraft Formation Flight Experiment	TM1-5
Rowley, C. W.	Reduced-order Models of Linearized Channel Flow using Balanced Truncation	FLA1-3
Rufino, M.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Safari-Shad, N.	Robust Fault Detection in a Mixed H-2/H-infinity Setting: The Discrete - Time Case	FEA3-1
Saied, M. H.	On Three-Phase Six-Switches Voltage Source Inverter: A 150° Conduction Mode	TLA3-4
Sala, A.	Modeling and analysis of a reduced- complexity ducted MAV	TEA3-4
Samimy, M.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Sandeep, S.	Decentralized Cohesive Motion Control of Multi-Agent Formations	FM1-3
Sarabi Jamab, A.	Adaptive Predictive Control of an Electromagnetic Suspension System with LOLIMOT Identifier	WLA1-1
Satler, M.	Performance Indices and Tuning in Process Control	TM5-3
Sauba, G.	Integration of Digital Appliances in Demand Side Management Systems	TLA4-2
Sauter, D.	Static Output-Feedback H-infinity Control of a Class of Stochastic Hybrid Systems with Wiener Process	FEA3-2
Scalera, A.	Impulsive Noise in Railway Automated Monitoring: a Recursive Filtering Approach	WEA2-5
Scaradozzi, D.	Acoustic Mapping and Localization of an ROV	WM3-5
Scaradozzi, D.	Combustion Control in Domestic Boilers using an Oxygen Sensor	TLA4-1

Schröder, D.	Non-Identifier-Based Adaptive Speed Control for a Two Mass Flexible Servo System: Consideration of Stability and Steady State Accuracy	TLA1-3
Schuster, H.	Non-Identifier-Based Adaptive Speed Control for a Two Mass Flexible Servo System: Consideration of Stability and Steady State Accuracy	TLA1-3
Seanor, B.	Autonomous Formation Flight: Hardware Development	TM1-4
Seanor, B.	3-Aircraft Formation Flight Experiment	TM1-5
Seatzu, C.	Constrained Optimal Control: an Application to Semiactive Suspension Systems	WLA1-2
Sebastião, L.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Sedigh, A. K.	Robust Model Reference Adaptive Control of Active Suspension System	WLA1-3
Sename, O.	H_infinity Control of a Teleoperation Drive-by-Wire System with Communication Time-Delay	FEA3-3
Serrani, A.	A State-space Approach to Adaptive Rejection of Harmonic Sensor Disturbances in Discrete-time Systems	WM2-5
Serrani, A.	Tracking with Steady-State Optimization: an Application to Air- Breathing Hypersonic Vehicle Control	FEA4-5
Serrani, A.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Sessa, S.	A New Global Localization Algorithm Based on Feature Extraction and Particle Filter	WEA2-4
Shafee, M.	Robust Congestion Control in Networks with Multiple Congested Nodes	TEA1-3
Shaked, U.	Systems with Multiplicative Noise: Stationary Output-feedback Tracking with preview	WM2-6
Sheronova, T.	Boundary Controllability and Inverse Problems for the Wave Equation on Graphs	WEA3-1
Shiakolas, P. S.	Static and dynamic modeling of thermal microgripper	WEA4-5

Sigthorsson, D. O.	Tracking with Steady-State Optimization: an Application to Air- Breathing Hypersonic Vehicle Control	FEA4-5
Silvestre, C.	A Sensor Based Homing Strategy for Autonomous Underwater Vehicles	TM3-6
Silvestre, C.	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft.	FLA4-4
Silvestrin, P.	Embedded Model Control of Multiple Satellite Formation Flying	TM1-3
Sima, V.	A SLICOT Implementation of a Modified Newton's Method for Algebraic Riccati Equations	FEA2-3
Simeoni, M.	A Minimal Model Describing the Effect of Drug Administration on Tumor Growth Dynamics	FLA3-3
Simeonov, I.	A Differential Algebraic Approach to Anaerobic Digestion Estimation Problems	FEA1-2
Skarpetis, M. G.	Robust Exact Model Matching for SISO Systems via Finite Precision Dynamic Output Feedback	FM2-4
Skarpetis, M. G.	Robust PI Controllers for Command Following with Application to an Electropneumatic Actuator	FEA2-1
Skarpetis, M. G.	Robust Tracking and Disturbance Attenuation Controllers for Automatic Steering	FEA2-2
Sklyar, G. M.	On Strong Regular Stabilizability for Linear Neutral Type Systems	WEA3-4
Sontag, E. D.	A Note on Monotone Systems with Positive Translation Invariance	FLA3-2
Sorbara, A.	Distributed Control and Coordination Techniques for Complex Robotics Systems	WM3-6
Soucacos, P. P.	Robust Reconfigurable Control for Recovery from Stern and Bow Plane Jams in Underwater Vehicles	FM4-4
Souley Ali, H.	H-infinity Control of a SCARA Robot using Polytopic LPV Approach	WLA4-3
Sousa, L.	Temperature Modelling of a Biochip for DNA Analysis	TEA4-5
Stachowiak, S. J.	Adaptive Control Using Neural Network Augmentation for a Modified F-15 Aircraft	WEA1-1

Starna, L.	A Modern Approach to the Automatic Design and Testing of Domestic Appliances	TLA4-4
Stefanakos, E.	A Mobile Landing Platform for Miniature Vertical Take-Off and Landing Vehicles	TEA3-1
Stefanakos, E. K.	On Improving Endurance of Unmanned Ground Vehicles: The ATRV-Jr Case Study	TM3-2
Stephanou, H.	Static and dynamic modeling of thermal microgripper	WEA4-5
Stolarik, B.	A Comparison of Pose Estimation Algorithms for Machine Vision Based Aerial Refueling for UAVs	TEA3-3
Sutton, R.	Soft Computing Design of a Linear Quadratic Gaussian Controller for an Unmanned Surface Vehicle	FLA4-3
Syrmos, V. L.	Design of Dynamic System Fault- Tolerant Control using IMM Estimation and RBF Neural Network	TM2-4
Tabun, J.	Verification of the Identifiability Property for Nonlinear Control Systems with Computer Algebra System Mathematica	WM4-3
Tadmor, G.	Control Oriented Models & Feedback Design in Fluid Flow Systems: A Review FP	FP
Tahboub, K. A.	Multisensory Human Postural Control: Neurological and Engineering Perspectives	TM4-2
Tanner, H. G.	Automated Sequential Search for Weak Radiation Sources	WM2-4
Tapak, P.	Control for Triple Integrator with Constrained Input	TM4-4
Tautz, S.	Development of a Nanohandling Robot Station for Nanocharacterization by an AFM Probe	WEA4-4
Thramboulidis, K. C.	Using the Function Block Model for Robotic Arm Motion Control	WEA4-2
Tjonnas, J.	Adaptive Optimizing Dynamic Control Allocation Algorithm for Yaw Stabilization of an Automotive Vehicle using Brakes	FEA4-1
Tomei, P.	Global Adaptive Learning Control for Current-fed Induction Motor Servo Drives	TLA3-3

Tornambe, A.	Finite-Time Control of Linear Mechanical Systems Subject to Non- smooth Impacts	TLA1-2
Tovornik, B.	Autotuning Autopilots for Micro-ROVs	FM4-5
Tsahalis, D.	Adaptive Pulse Width/Phase Modulated Controller for a High Frequency Active Electro-Hydraulic Pump System	TLA1-4
Tsalatsanis, A.	Mobile Robot Navigation using Sonar and Range Measurements from Uncalibrated Cameras	TM3-1
Tsourveloudis, N.	Mobile Robot Navigation using Sonar and Range Measurements from Uncalibrated Cameras	TM3-1
Turchiano, B.	Impulsive Noise in Railway Automated Monitoring: a Recursive Filtering Approach	WEA2-5
Turetta, A.	Distributed Control and Coordination Techniques for Complex Robotics Systems	WM3-6
Tutty, O. R.	Control Law Design for Channel Flow 2D Designs and 3D Performance Evaluation	FLA1-4
Tzamtzi, M. P.	Robust Exact Model Matching for SISO Systems via Finite Precision Dynamic Output Feedback	FM2-4
Tzamtzi, M. P.	A Simulated Annealing Controller for Sloshing Suppression in Liquid Transfer with Delayed Resonators	FLA2-2
Tzamtzi, M. P.	Robust PI Controllers for Command Following with Application to an Electropneumatic Actuator	FEA2-1
Tzes, A.	Adaptive Constrained Control of Uncertain ARMA-Systems Based on Set Membership Identification	WM4-5
Tzes, A.	Constrained Finite Time Control of Networked Systems with Uncertain Delays	TEA2-3
Tzes, A.	Robust PID Control for a Micro- Actuator with Structural Uncertainty	FLA2-1
Tzes, A.	Adaptive Pulse Width/Phase Modulated Controller for a High Frequency Active Electro-Hydraulic Pump System	TLA1-4
Tzoneva, R.	Method for Optimal Control Calculation of a Fed-batch Fermentation Process	TEA4-1

Tzoneva, R.	Minimum Startup Time Control of an Ion Exchange Process Used for Water Desalination	TEA4-3
Ulivi, G.	Pose Recovery for a Mobile Manipulator using a Particle Filter	WM3-3
Vachtsevnos, G.	Target Tracking with Unmanned Aerial Vehicles: From Single to Swarm Vehicle Autonomy and Intelligence	WM1-3
Vagia, M.	Robust PID Control for a Micro- Actuator with Structural Uncertainty	FLA2-1
Valavanis, K.	Mobile Robot Navigation using Sonar and Range Measurements from Uncalibrated Cameras	TM3-1
Valavanis, K.	Swarm Formation Control with Potential Fields Formed by Bivariate Normal Functions	TM1-1
Valavanis, K.	Experimental Validation of a Real-Time Model-Based Sensor Fault Detection and Isolation System for Unmanned Ground Vehicles	FM1-1
Valavanis, K.	Automated Process for Unmanned Aerial Systems Controller Implementation using MA	WM1-2
Valavanis, K.	On Improving Endurance of Unmanned Ground Vehicles: The ATRV-Jr Case Study	TM3-2
Valavanis, K.	A Mobile Landing Platform for Miniature Vertical Take-Off and Landing Vehicles	TEA3-1
Valigi, P.	SARA: a Flexible Framework for Rapid Prototyping of Mobile Robotics Applications	TM3-3
Valigi, P.	Collaboration among Members of a Team: a Heuristic Strategy for Multi- Robot Exploration	FM1-6
Verrelli, C. M.	Global Adaptive Learning Control for Current-fed Induction Motor Servo Drives	TLA3-3
Veysset, F.	Delay System Identification Applied to the Longitudinal Flight of an Aircraft through a Vertical Gust	WM4-2
Vilanova, R.	The Control Problem: a Framework for Holistic Design	TM4-1
Viviani, R.	Cooperative On-line Planning for Adaptative Map Building in Environmental Applications	WM3-2

Voulgaris, P. G.	Design of Distributed Controllers with Constrained and Noisy Links	TEA2-5
Vukić, Z. Wang, X.	Autotuning Autopilots for Micro-ROVs Design of Dynamic System Fault- Tolerant Control using IMM Estimation and RBF Neural Network	FM4-5 TM2-4
Westermaier, C.	Non-Identifier-Based Adaptive Speed Control for a Two Mass Flexible Servo System: Consideration of Stability and Steady State Accuracy	TLA1-3
Westervelt, E. R.	Sample-Based HZD Control for Robustness and Slope Invariance of Planar Passive Bipedal Gaits	FM1-4
Wiley, P. H.	On Improving Endurance of Unmanned Ground Vehicles: The ATRV-Jr Case Study	TM3-2
Williams-Hayes, P.	Adaptive Control Using Neural Network Augmentation for a Modified F-15 Aircraft	WEA1-1
Wilson, D. G.	Exergy and Irreversible Entropy Production Thermodynamic Concepts for Control Design: Nonlinear Systems	FM3-4
Wozniak, J.	On Smoothness of End States in the Problem of Controllability of a Rotating Beam	WEA3-5
Wu, H.	Adaptive Neural Network Control and Wireless Sensor Network-based Localization for UAV Formation	WM1-5
Xi, W.	Distributed Control of Autonomous Swarms by using Parallel Simulated Annealing Algorithm	TM1-2
Xibilia, M. G.	Comparing Regressors Selection Methods for the Soft Sensor Design of a Sulfur Recovery Unit	TM5-6
Xibilia, M. G.	Virtual Instruments for the What-if Analysis of a Process for Pollution Minimization in an Industrial	TEA4-4
Yagoubi, C. C.	Application A Cooperative Local Observers-based Control for Web Handling Systems: a Dilated LMI Solution	FLA2-3
Yerramalla, S.	Stability Monitoring and Analysis of Learning in Adaptive Systems	WLA3-1
Yildiz, A. B.	Control of Switched Reluctance Motor Containing a Linear Model	TLA3-2

Yousef, H. A.	On Three-Phase Six-Switches Voltage Source Inverter: A 150° Conduction Mode	TLA3-4
Yousefi, A.	Reduced Order Controller for The Alstom Gasifier Plant	TM5-4
Yu, C.	Decentralized Cohesive Motion Control of Multi-Agent Formations	FM1-3
Yuan, X.	Experimental Results and Bifurcation Analysis on Scaled Feedback Control for Subsonic Cavity Flows	FLA1-2
Zanoli, S. M.	DC Motor Control Issues for UUVs	FM4-3
Zanoli, S. M.	Acoustic Mapping and Localization of an ROV	WM3-5
Zarkogianni, D.	Recurrent High Order Neural Networks for Identification of the EGFR Signaling Pathway	TM2-1
Zattoni, E.	A Multi-level Algorithm for the Finite Horizon LQ Optimal Control Problem with Assigned Final State: Additive and Multiplicative Procedures	FEA3-5
Zingaretti, P.	A Framework For Simulations and Tests of Mobile Robotics Tasks	TM3-5
Zinober, A. S. I.	On Classical State Space Realizability of Bilinear Input-Output Differential Equations	FM3-5