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Nota di contenuto Invited Papers -- Coordinated Control for Highly Reconfigurable

Systems -- Operational Semantics of Hybrid Systems -- SOS Methods for Semi-algebraic Games and Optimization -- Regular Papers -- The Discrete Time Behavior of Lazy Linear Hybrid Automata -- Perturbed Timed Automata -- A Homology Theory for Hybrid Systems: Hybrid Homology -- Observability of Switched Linear Systems in Continuous Time -- Controller Synthesis on Non-uniform and Uncertain Discrete-Time Domains -- Qualitative Analysis and Verification of Hybrid Models of Genetic Regulatory Networks: Nutritional Stress Response in Escherichia coli -- Optimal Control of Discrete Hybrid Stochastic Automata -- Hybrid Decentralized Control of Large Scale Systems --On the Stabilisation of Switching Electrical Power Converters --Bisimulation for General Stochastic Hybrid Systems -- Position and Force Control of Nonsmooth Lagrangian Dynamical Systems Without Friction -- Existence of Cascade Discrete-Continuous State Estimators for Systems on a Partial Order -- Refining Abstractions of Hybrid Systems Using Counterexample Fragments -- PHAVer: Algorithmic Verification of Hybrid Systems Past HyTech -- Direct Torque Control for Induction Motor Drives: A Model Predictive Control Approach Based on Feasibility -- Reachability of Uncertain Linear Systems Using Zonotopes -- Safety Verification of Controlled Advanced Life Support System Using

Barrier Certificates -- Polynomial Stochastic Hybrid Systems -- Nonuniqueness in Reverse Time of Hybrid System Trajectories --Comparison of Four Procedures for the Identification of Hybrid Systems -- An Ontology-Based Approach to Heterogeneous Verification of Embedded Control Systems -- Mode-Automata Based Methodology for Scade -- Taylor Approximation for Hybrid Systems -- Infinity Norms as Lyapunov Functions for Model Predictive Control of Constrained PWA Systems -- Air-Traffic Control in Approach Sectors: Simulation Examples and Optimisation -- Identification of Deterministic Switched ARX Systems via Identification of Algebraic Varieties -- Learning Multimodal Control Programs -- A Toolbox of Hamilton-Jacobi Solvers for Analysis of Nondeterministic Continuous and Hybrid Systems -- On Transfinite Hybrid Automata -- Design of Optimal Autonomous Switching Circuits to Suppress Mechanical Vibration -- Interchange Formats for Hybrid Systems: Review and Proposal -- Primal-Dual Tests for Safety and Reachability -- Adjoint-Based Optimal Control of the Expected Exit Time for Stochastic Hybrid Systems -- Safety Verification of Hybrid Systems by Constraint Propagation Based Abstraction Refinement -- Generating Polynomial Invariants for Hybrid Systems --Modeling, Optimization and Computation for Software Verification --Bisimulation for Communicating Piecewise Deterministic Markov Processes (CPDPs) -- Sensor/Actuator Abstractions for Symbolic Embedded Control Design -- Modeling and Control of Networked Control Systems with Random Delays -- Controllability Implies Stabilizability for Discrete-Time Switched Linear Systems.