

_PUBBLICAZIONI SCIENTIFICHE – Andrea Cristofaro

Articoli su rivista:

- M. L. Corradini, A. Cristofaro, F. Giannoni, On the Asymptotic Stabilization of Linear Unstable Systems with Bounded Controls, Far East Journal of Mathematical Science (ISSN: 0972-0871), 35, 2009, pp. 233-247.
- M.L. Corradini, A. Cristofaro, G. Orlando, Robust Stabilization on Multi Input Plants with Saturating Actuators, IEEE Transactions on Automatic Control (ISSN: 0018-0926), 55, 2010, pp. 419-425.
- M. L. Corradini, A. Cristofaro, F. Giannoni, Computation of null controllable regions for antistable linear systems subject to input saturation: an iterative approach, IET J. Control Theory and Applications (ISSN: 1751-8562), 2011, vol. 5 (5), pp. 744-749.
- M.L. Corradini, A. Cristofaro, R. Giambò, S. Pettinari, Design of robust fault detection filters for MIMO uncertain plants with quantised information, Int. Journal of Control, 85 (3), 2012, pp. 239-250.
- A. Cristofaro, On the existence of maximal contractive sets for multi input linear systems, accepted for publication in ASME Journal of Dynamic Systems, Measurement and Control, 2012.
- M.L. Corradini, A. Cristofaro, G. Orlando, S. Pettinari, Sliding-mode control of multi input periodic systems with saturation constraints, International Journal of Control, 2013.
- M.L. Corradini, A. Cristofaro, G. Orlando, Sliding-mode control of discrete-time linear plants with input saturation: application to a twin-rotor system, International Journal of Control, 2014.
- A. Cristofaro, T.A. Johansen, Fault tolerant control allocation using unknown input observers, Automatica, to appear, 2014.

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- F. Conte, A. Cristofaro, A. Renzaglia, A. Martinelli, Cooperative Localization and SLAM Based on the Extended Information Filter, in Multi-Robot Systems: Trends and Development, 2011, pp. 149-170, InTech.

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- M.L. Corradini, A. Cristofaro, G. Orlando, On the Robust Stabilization of Discrete-Time SISO Plants with Saturating Actuators, Proc. of the 47th IEEE Conference on Decision and Control CDC2008, Cancun, Mexico.
- M. L. Corradini, A. Cristofaro, F. Giannoni, Asymptotic Stabilization of Planar Unstable Linear Systems by a finite number of Saturating Actuators, Proceedings of European Control Conference ECC2009, Budapest, Hungary.
- M. L. Corradini, A. Cristofaro, F. Giannoni, Sharp Estimates on the Region of Attraction of Planar Linear Systems with Bounded Controls, Proc. of the 48th IEEE Conference on Decision and Control CDC2009, Shanghai, China.
- M.L. Corradini, A. Cristofaro, R. Giambò, S. Pettinari, Robust fault detection filters for a class of MIMO uncertain sample-data systems, Proceedings of Conference on Control and Fault-tolerant Systems 2010 SYSTOL'10, Nice, France.
- A. Cristofaro, A. Martinelli, Optimal Trajectories for Multi Robot Localization, 49th IEEE Conference on Decision and Control 2010, Atlanta, GA.
- A. Cristofaro, A. Renzaglia, A. Martinelli, Distributed Information Filters for MAV Cooperative Localization, 10th International Symposium on Distributed Autonomous Robotic Systems DARS2010, Lausanne, Switzerland.
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- M. L. Corradini, A. Cristofaro, G. Orlando, Sliding mode control of periodic discrete-time linear systems with saturating actuators and input disturbances, Proc. of the IFAC World Congress 2011, Milano, Italy.
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- A. Cristofaro, S. Pettinari, Stepwise fault accommodation for hybrid quantized control systems, Proc. of the Mediterranean control conference 2011 MED2011, Corfu', Greece.
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- M.L. Corradini, A. Cristofaro, S. Pettinari, Design of robust fault detection filters for linear descriptor systems using sliding mode observers, 7th IFAC Symposium on Robust Control Design, Aalborg, Denmark, 2012.
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- A. Cristofaro, T.A. Johansen, Fault-tolerant control allocation: an Unknown Input Observer based approach with constrained output fault directions, Proc. of the 52nd IEEE Conf. on decision and control CDC2013, Florence, Italy.
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- M.L. Corradini, A. Cristofaro, A sensorless speed-tacking controller for permanent magnet synchronous motors with uncertain parameters, IFAC World Congress 2014, to appear.
- A. Cristofaro, Robust tracking control for a class of perturbed and uncertain reaction-diffusion equations, IFAC World Congress 2014, to appear.

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In fede

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