

Curriculum Vitae

Francesco Tedesco

Personal Data

- **Francesco Tedesco** was born in Cosenza (Italy) on February 5th, 1984
- **Phone #:** +39 0984 494179
- **e-mail:** `ftedesco@dimes.unical.it`
- **home page:** `www.tedescof.wordpress.com`

Education

- 2003: Scientific High School leaving certificate, with full marks (100/100).
- 2006: Bachelor's Degree granted (Laurea Triennale) in Computer Engineering *summa cum laude*, University of Calabria (Italy)
- 2008: Master Degree granted (Laurea Specialistica) in Automation Engineering *summa cum laude*, University of Calabria (Italy)
- 2012: Ph.D. degree in Systems and Computer Engineering, University of Calabria, Department of Computer Science, Modeling, Electronics and Systems Engineering. Advisor: Prof. Alessandro Casavola.

Professional recognitions

- 2013: High School Teaching Habilitation in Computer Science (Tirocinio Formativo Attivo classe A042), University of Calabria (Italy)
- 2018: National Scientific Qualification for Associate Professor in Control Engineering issued by the Ministry of Education, University and Research (MIUR).
- 2019: Co-recipient of the Best Paper Award at the IEEE-CoDIT 2019 Conference, Paris, France.

Current Position

Tenure-track Assistant Professor at Department of Computer Science, Modeling, Electronics and Systems Engineering of the University of Calabria, Italy.

Previous Positions

- 2011: Research Agreement at the Department of Computer Science, Modeling, Electronics and Systems Engineering (DIMES), University of Calabria, November -December 2011 (2 months);

- 2012: Research Grant at the Department of Computer Science, Modeling, Electronics and Systems Engineering (DIMES), University of Calabria, funded by Magneti Marelli Powertrain SpA (14 months);
- 2013: Research Grant at the Department of Computer Science, Modeling, Electronics and Systems Engineering (DIMES), University of Calabria, funded by MIUR *PON*0101517 (2 months)
- 2013: (Current Position) Research Grant at the Department of Computer Science, Modeling, Electronics and Systems Engineering (DIMES), University of Calabria, cofunded by the European Commission, the European Social Fund and the Calabria Region (46 months).
- 2014: Research Agreement at the Department of Mechanical, Energetic and Management Engineering (DIMEG), University of Calabria (Italy), February 2014;

Appointments and Experiences

- 2009 SIDRA (Societa' Italiana Docenti e Ricercatori in Automatica) summer school on "Constrained Predictive Control", July 2009, Bertinoro (FO) - Italy.
- 2010 Course on "Distributed Optimization" held by Prof. S. Boyd, 7-14 February 2010, KTH Stockholm - Sweden.
- 2010 Course on "Model Predictive Control" held by Prof. M. Morari, February 2010, ETH Zurich - Switzerland.
- 2014 CIME (International Mathematical Summer Center) summer school on "Centralized and Distributed Multi-agent Optimization: Models and Algorithms", June 2014, Cetraro (CS) - Italy
- 2014 Ph.D. Committee member, Universitat Politècnica de Catalunya. BarcelonaTech, Barcelona, Spain, November 2014
- 2015 Substitute Ph.D. committee member, Universitat Politècnica de Catalunya. BarcelonaTech, Barcelona, Spain, February 2015
- 2015 Committee member for the qualifying exam of the engineering profession. University of Calabria - Italy
- 2020 Ph.D. Committee member, Universitat Politècnica de Catalunya. BarcelonaTech, Barcelona, Spain, March 2020

Visiting positions abroad

- 2010 Automatic Control Laboratory, ETH, Zurich, Switzerland (6 months).
- 2013 Universitat Politècnica de Catalunya. BarcelonaTech, Barcelona.
- 2013 Université libre de Bruxelles
- 2014 School of Electrical and Electronic Engineering (SEEE) Dublin Institute of Technology, Dublin, Ireland (2 months).
- 2014 Department of Electrical and Electronic Engineering, Imperial College, London, United Kingdom (6 months).

Language Skills

- Italian: Mother tongue
- English: Level B2.

Research activities

My research activities mainly concern Model Predictive Control and Distributed Reference Management for control/supervision of dynamical processes. Efforts have been focused on the investigation of theoretical aspects, the development of numerical algorithms, and their application to real-life problems of industrial and economic interest, such as in the areas of automotive systems, power grids, and water networks. The research activities carried out starting in 2009 led to about 90 scientific publications, detailed in the publication list. The scientific impact of the results in terms of citations is quantified by the Hirsch number (H-number), to date (July 07th, 2020) equal to 14, with the 3 most cited papers having 48, 37, 27, citations (see personal page on Google Scholar).

Research Projects

2012-2014: co-leader in “Project SMART (PON04a3_00402 SMART lighTing)”, funded by MIUR Social Innovation Program (National Operational Program).

2013-2016: contributor in “PON0101517 POWERTRAIN - Metodologie innovative di sviluppo di motopropulsori automobilistici” (National Operational Program)

2018-2019: contributor in “Monitoraggio Ecosistema Marino (MONEMA)” funded by Calabria Region (Regional Operational Program)

2018-2019: contributor in “Smart Cities Adaptive Lighting System (SCALS)” funded by Calabria Region (Regional Operational Program)

2019-ongoing : contributor in “Autonomous Robotics for the Extended Ship (ARES)”, funded by MIUR (National Operational Program).

2020-ongoing : contributor in: PIMS 4.0 funded by MISE (National Operational Program).

Industrial collaborations

- Magneti Marelli SpA (Italy)
- OmniaEnergia SpA (Italy)
- McLaren Automotive Ltd, (United Kingdom)

Scientific collaborations

- ETH Zurich (Switzerland)
- Université Libre de Bruxelles (Belgium)
- UPC Barcelona (Spain)
- Dublin Institute of Technology (Ireland)
- Imperial College (UK)
- Concordia University (UK)

Invited Seminars

1. Tedesco F., “Feedforward Reference Management and Distributed Supervision for Interconnected Linear Systems”, IfA Internal Seminar Series ETH Zurich, February 2010.
2. Tedesco F. “A Distributed Command Governor Approach for Voltage Regulation in Medium Voltage Power Grids with Distributed Generation”, IRI Internal Seminar Series - UPC Barcelona (Spain), October 2013.
3. Tedesco F. “University of Calabria - Control Engineering Laboratory”, DIT Internal Lunch-Seminar Series, Dublin, March 26, 2014.

Conferences Talks as Speaker

1. Tedesco F., “Distributed Coordination Strategies for Interconnected Multi-Agent Systems”. NOLCOS 2010, Bologna (Italy), 2010.
2. Tedesco F., “A Feed-Forward Command Governor Strategy for Constrained Linear Systems”. NOLCOS 2010, Bologna (Italy), 2010.
3. Tedesco F., “Distributed Coordination-by-Constraint Strategies in Networked Multi-Area Power Systems”. IEEE ISIE 2011, Gdansk (Poland), 2010.
4. Tedesco F., “Improved Feed-Forward Command Governor Strategies for Discrete-time Time-Invariant Linear Systems”. IEEE CDC 2011, Orlando (USA), December 2011.
5. Tedesco F., “Receding horizon control for constrained networked systems subject to data-losses”. IEEE CDC 2011, Orlando (USA), December 2011.
6. Tedesco F., “Distributed Coordination-by-Constraint Strategies for Multi-agent Networked Systems”. Convegno SIDRA 2011, Benevento (Italy), September 2012.
7. Tedesco F., “A Parallel Distributed Coordination-by-Constraint Strategy for Multi-agent Networked Systems”, IEEE CDC 2012, Maui Hawaii (USA), December 2012.
8. Tedesco F., “Actuator fault tolerant control: a set-theoretic approach”, CDC 2012, Maui Hawaii (USA), December 2012.
9. Tedesco F., “Controllability analysis of uncertain polytopic systems with time-varying state delay”, IEEE CDC 2012, Maui Hawaii (USA), December 2012.
10. Tedesco F. “Distributed Supervision Strategy for Multi-Agent Networked Systems”, IEEE ACC 2013, Washington DC (USA), June, 2013.
11. Tedesco F. “Discrete-Time Frequency-Locked-Loop Filters for Parameters Estimation of Sinusoidal Signals”, IEEE CDC 2013, Florence (Italy), December, 2013, (Co-chair of the session).
12. Tedesco F. “A Reconfigurable Aircraft Control Scheme Based on an Hybrid Command Governor Supervisory Approach”, ACC 2014, Portland (OR), June, 2014.
13. Tedesco F. “Gain-Scheduling Control of Electromagnetic Regenerative Shock Absorbers for Energy Harvesting by Road Unevenness”, ACC 2014, Portland (OR), June, 2014.
14. Tedesco F. “Discrete-Time Frequency-Locked-Loop Filters for Exact Asymptotic Rejection of Sinusoidal Disturbances”, ACC 2014, Portland (OR), June, 2014.
15. Tedesco F. “A dwell-time based Command Governor approach for constrained switched systems”, ACC 2015, Chicago (IL), July, 2015.

16. Tedesco F. "On average performance of Economic Model Predictive Control with time-varying cost and terminal constraints", ACC 2015, Chicago (IL), July, 2015, (Co-chair of the session).
17. Tedesco F. "Reachability analysis of networked leader-follower formations", NMPC 2015, Seville (Spain), September, 2015.
18. Tedesco F. "A Leader-Follower Architecture for Load Frequency Control Purposes against Cyber Attacks in Power Grids - Part I", *55th IEEE Conference on Decision and Control*, Las Vegas, NV, December 2016.
19. Tedesco F. "A Leader-Follower Architecture for Load Frequency Control Purposes against Cyber Attacks in Power Grids - Part II", *55th IEEE Conference on Decision and Control*, Las Vegas, NV, December 2016.
20. Tedesco F. "A Fault-Tolerant Sensor Reconciliation Scheme Based on LPV Unknown Input Observers", *55th IEEE Conference on Decision and Control*, Las Vegas, NV, December 2016.
21. Tedesco F. "A Distributed Command Governor Approach for the Online Management of Reactive Power in Smart Grids with Distributed Generation", *55th IEEE Conference on Decision and Control*, Las Vegas, NV, December 2016.
22. Tedesco F. "A Command Governor Approach for the Voltage Control in Smart Grids with Distributed Generation and Storage Devices", *IFAC World Congress 2017*, Toulouse, France, July 2017.
23. Tedesco F. "Load/Frequency Control in the presence of Renewable Energy Systems: a Reference-Offset Governor approach for Dynamical Linear Systems subject to Rate Bounded Disturbances", *IFAC World Congress 2020*, Berlin (Germany), July 2020 (Virtual Conference).

Services to the scientific community

- Referee activity for the following journals:
 - Automatica, International Journal of Robust and Nonlinear Control, IEEE Transactions on Automatic Control, Journal of Control Process, International Journal of Adaptive Control and Signal Processing, Simulation Modeling Practice and Theory, International Journal of Electrical Power and Energy Systems, Energies, European Journal of Control; IEEE Transactions on Mechatronics, European Journal of Operational Research, IEEE Transactions on Industrial Electronics, Electric Power Components and Systems Journal, Journal of Control Process, Journal of Control, Automation and Electrical Sys. and letters, ISA Transactions, IEEE Access, IEEE Transactions on Control Systems Technology, Systems and Control Letters, Control Systems Letters.
 - European Control Conference, Control and Decision Conference, American Control Conference, IFAC World Conference, Mediterranean Conference on Control and Automation
 - Proposals reviewer for Elsevier.
- Associate Editor of IEEE Access since August 2017.
- IEEE Member since 2011;
- Session co-Chairman at the 52nd IEEE Conference on Decision and Control 2013, Florence, Italy, December 2013.
- Session co-Chairman at the 19th IFAC WC 2014, Cape Town, South Africa, August 2014.
- Session co-Chairman at the American Control Conference 2015, Chicago, IL, July 2015.
- Semi-plenary Session Chairman at the 5th IFAC Conference on Nonlinear Model Predictive Control, Seville, Spain, September 2015.

- co-Organizer of the Invited Session entitled "Multi-agent Systems Control and Optimization" at European Control Conference 2018, Limassol, Cyprus, June 2018.
- co-Organizer of the Invited Session entitled "Resilient Control in Large-Scale Networked Cyber-Physical Systems" at 6th International Conference on Control, Decision and Information Technologies (CoDit19), Paris, France, April 2019.
- Technical Program Committee Member at Third IEEE International Workshop on Smart Cities Systems Engineering (IEEE SCE 2019), Rome, Italy, June 2019.
- Program Committee Member at Fifteenth International Multi-Conference on Computing in the Global Information Technology (ICCGI 2020), Giugno-Luglio 2020.
- co-Organizer of the Special Session entitled Resilient Control in Large-Scale Networked Cyber-Physical Systems at 7th International Conference on Control, Decision and Information Technologies (CoDit20), Prague, Czech Rep. , June 2020.
- Program Committee Member at Fourth IEEE International Workshop on Smart Cities Systems Engineering (IEEE SCE 2020), Paris, France, April 2020.

Teaching Activities

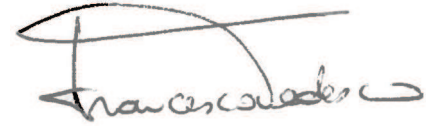
- Undergraduate courses:
 - 2008/09: Teaching assistant in Digital Control (Prof. A. Casavola), University of Calabria.
 - 2009/10: Teaching assistant System Theory (Prof. A. Casavola), University of Calabria.
 - 2010/11: Teaching assistant System Theory (Prof. A. Casavola), University of Calabria.
 - 2011/12: Teaching assistant System Theory (Prof. A. Casavola), University of Calabria.
 - 2011/12: Teaching assistant Control Techniques 2 (Prof. G. Franzè), University of Calabria.
 - 2012/13: Teaching assistant Control Techniques 1 (Prof. D. Famularo), University of Calabria.
 - 2013/14: Teaching assistant System Theory (Prof. A. Casavola), University of Calabria.
 - 2013/14: Teaching assistant Automatic Controls (Prof. G. Franzè), University of Calabria.
 - 2014/15: Teaching assistant System Theory (Prof. A. Casavola), University of Calabria.
 - 2014/15: Teaching assistant Control Techniques 1 (Prof. D. Famularo), University of Calabria.
 - 2014/15: "Automation for Renewable Energy Systems", University of Calabria.
 - 2015/16-2016/17-2017/18-2018/19: "Control of Renewable Energy Systems", University of Calabria.
 - 2018/19-2019/20: "Automation Laboratory", University of Calabria.
- Graduate Courses & Workshops:
 - "Workshop on Model Predictive Control and Robust Control ", Dublin Energy Lab - Seminar Series , DIT, Dublin, October 30-31, 2014.

Students Supervision

Supervisor of 12 master thesis students.

Rende, February 13th 2019

Francesco Tedesco



Publications

1. Papers in peer-reviewed international journals

- J1 Ezzine J. Tedesco F. “H-Inf Approach Control for Regulation of Active Car Suspension” *International Journal of Mathematical Models and Methods in Applied Sciences* 2009, Vol. 3(3), pp. 309-31.
- J2 Garone E. , Tedesco F. , Casavola A. , “Sensorless Supervision of Linear Dynamical Systems: The Feed-Forward Command Governor Approach”. *Automatica*, 2011, Vol. 47(7), pp. 1924-1303.
- J3 Franzè G. , Tedesco F. , “Constrained Load/Frequency Control Problems in Networked Multi-Area Power Systems”. *Journal of the Franklin Institute*, 2011, Vol. 348(5), pp. 832-852.
- J4 Tedesco F., Raimondo D.M., Casavola A., “Collision Avoidance Command Governor for Multi-Vehicle Unmanned Systems” . *International Journal of Robust and Nonlinear Control*, 2014, Vol. 24(16), pp. 2309–2330.
- J5 Casavola A., Garone E., Tedesco F., “Improved Feed-Forward Command Governor Strategies for Constrained Discrete-time Linear Systems”. *IEEE Transactions on Automatic Control*, 2014, Vol. 59(1), pp. 216-223.
- J6 Tedesco F., Casavola A.. “Fault-Tolerant Distributed Load/Frequency Supervisory Strategies for Networked Multi-Area Microgrids”, *International Journal of Robust and Nonlinear Control, Special Issue on "Fault Tolerant Control in Power Grids"*, 2014, Vol. 24(8-9), pp. 1380-1402.
- J7 Casavola A., Garone E., Tedesco F., “A Distributed Multi-Agent Command Governor Strategy for the Coordination of Networked Interconnected Systems”, *IEEE Transactions on Automatic Control*, 2014, Vol. 59(8), pp. 2099 - 2112.
- J8 Franzè G., Tedesco F., “Networked control systems: a polynomial receding horizon approach” , *IEEE Transactions on Networked Control Systems*, 2014, Vol.1(4), pp. 318 - 327.
- J9 Franzè G., Tedesco F., Famularo D., “Actuator fault tolerant control: a receding horizon set-theoretic approach”, *IEEE Transactions on Automatic Control*, 2015, Vol. 60(8), pp. 2225 - 2230.
- J10 Franzè G., Tedesco F., Famularo D., “Model Predictive Control for constrained networked systems subject to data-losses”, *Automatica*, 2015, Vol. 54, pp. 272–278.
- J11 Tedesco F., Mariam L., Basu M., Casavola A., Conlon M., “Economic Model Predictive Control based Strategies for Cost-effective Supervision of Community Microgrids Considering Battery Lifetime”, *IEEE Journal of Emerging and Selected Topics in Power Electronics*, 2015, Vol. 3(4), pp. 1067-1077.
- J12 Lucia W., Tedesco F., “A networked-based receding horizon scheme for constrained LPV systems”, *European Journal of Control*, 2015, Vol. 25, pp. 69-75.

- J13 Angeli D., Casavola A., Tedesco F., “Theoretical advances on Economic Model Predictive Control with time-varying costs”, *Annual Reviews in Control*, 2016, Vol. 41, pp. 218224.
- J14 Tedesco F., Casavola A., Fedele G., “Unbiased Estimation of Sinusoidal Signal Parameters via Discrete-Time Frequency-Locked-Loop Filters”, *IEEE Transactions on Automatic Control*, 2017, Vol. 62(3), pp. 1484-1490.
- J15 A. Casavola, E. Garone, Tedesco F., “A parallel distributed supervision strategy for multi-agent networked systems”, *Systems and Control Letters*, 2016, Vol. 97, pp. 115-124.
- J16 Tedesco F., Ocampo-Martinez C., Casavola A., Puig V., “Centralised and Distributed Command Governor Approaches for Water Supply Systems Management”, *IEEE Transactions on Systems, Man and Cybernetics: Systems*, 2018, Vol. 8(4), pp. 586-595.
- J17 Tedesco F., Casavola A., “Distributed Iterative Command Governor Schemes for Interconnected Linear Systems”, *International Journal of Robust and Nonlinear Control*, 2017, Vol. 27(18), pp. 4788-4807.
- J18 Casavola A., Tedesco F., Vizza M., “Command Governor Strategies for the Online Management of Reactive Power in Smart Grids with Distributed Generation”, *IEEE Transactions on Automation Science and Engineering, Special Issue on "Automation and Optimization for Energy Systems"*, 2017, vol. 14(2), pp. 449-460.
- J19 Franzè G., Lucia W., Tedesco F., “Distributed Model Predictive Control Scheme for Leader-Follower Multi-Agent Systems”, *International Journal of Control*, 2018, Vol. 91(2), pp. 369-382.
- J20 Casavola A., Di Iorio F., Tedesco F., “A Multiobjective H-infinity Control Strategy for Energy Harvesting in Regenerative Vehicle Suspension Systems”, *International Journal of Control*, 2018, Vol. 91(4), pp. 741-754.
- J21 Franzè G., Lucia W., Tedesco F., “Command Governor for constrained switched systems with scheduled model transition dwell times”, *International Journal of Robust and Nonlinear Control*, 2017, Vol. 27(18), pp. 4949-4967.
- J22 A. Casavola, E. Garone, Tedesco F., “A Distributed Command Governor based on Graph Colorability Theory”, *International Journal of Robust and Nonlinear Control*, 2018, Vol. 28(8), pp. 3056-3072.
- J23 Behzad H., Casavola A., Tedesco F., Sadrnia M.A., “Fault-Tolerant Sensor Reconciliation Schemes based on Unknown Input Observers”, *International Journal of Control*, 2020, Vol. 93(3), pp. 669-679.
- J24 Gagliardi G., Tedesco F., Casavola A. “A LPV modeling of turbocharged spark-ignition automotive engine oriented to fault detection and isolation purposes”, *Journal of the Franklin Institute*, 2018, Vol. 355(14), pp. 6710-6745.
- J25 Franzè, G., Tedesco, F., Lucia, W., “Resilient Control for Cyber-Physical Systems Subject to Replay Attacks”, *IEEE Control Systems Letters*, 2019, Vol. 3(4), pp. 984–989.
- J26 Franzè, G., Famularo D., Lucia, W., Tedesco, F., “A Resilient Control Strategy for Cyber-Physical Systems Subject to Denial of Service Attacks: A Leader-Follower Set-Theoretic Approach”, *IEEE/CAA Journal of Automatica Sinica*, doi: 10.1109/JAS.2020.1003189, (in press).
- J27 Gagliardi G., Tedesco F., Casavola A. “An Adaptive Frequency-Locked-Loop Approach for the Turbocharger Rotational Speed Estimation via Acoustic Measurements”, *IEEE Transactions on Control Systems Technology*, (in press).
- J28 Casavola A., Tedesco F., Vaglica P. “H2 and H Optimal Control Strategies for Energy Harvesting by Regenerative Shock Absorbers in Cars”, *Vibration*, 2020, Vol. 3(2), pp. 99–115.
- J29 Tedesco F., Franzè, G., Casavola A., “A reputation mechanism for dynamical interactions in multi-agent systems under quality of service requirements”, *IEEE Transactions on Automatic Control*, (prov. accepted).

2. Book chapters

- B1 Casavola A., Garone E., Tedesco F., “The Distributed Command Governor approach in a nutshell”, *Distributed MPC Made Easy*, Chapter 14, Editori: Jose’ M. Maestre, Rudy R. Negenborn, Springer, 2014.
- B2 Tedesco F., Raimondo D.M., Casavola A. “A distributed reference management scheme in presence of non-convex constraints: an MPC based approach”, *Distributed MPC Made Easy*, Chapter 20, Editori: Jose’ M. Maestre, Rudy R. Negenborn, Springer, 2014.
- B3 Casavola A., Tedesco F., Garone E., “Distributed Supervisory Strategies for Multi-agent Networked Systems”, *Complex Systems*, Springer International Publishing, 2016, pp. 411-427.
- B4 Tedesco F., Mariam L., Basu M., Casavola A., Conlon M., “Cost-Effective Supervision of Community Microgrids with Guaranteed Battery Lifetime: A Model Predictive Control Approach”, *Distributed Generation: Systems, Performance and Emerging Technologies*, Nova Science Publishers, 2017, (in press).

3. Proceedings of peer-reviewed international conferences

- C1 Garone E., Tedesco F., Casavola A., “Distributed Coordination-by-Constraint Strategies for Networked Control Systems” , *1st IFAC Workshop on Estimation and Control of Networked Systems, 24-26 September, 2009, Venice (Italy)*.
- C2 Ezzine J. , Tedesco F. , “Mixed Sensitivity H-Inf Control Approach For Regulation Of Active Suspension On Half-Car Model With Seat-Passengers” . Proceedings of *EUROMECH Solid Mechanics Conference (ESMC)*, Lisbon, Portugal, September 7-11, 2009.
- C3 Garone E. , Tedesco F. , Casavola A. , “A Feed-Forward Command Governor Strategy for Constrained Linear Systems” . Proceedings of *Nolcos 2010* , Bologna (Italy), September 2010.
- C4 Tedesco F. , Raimondo D. M. , Casavola A. , Lygeros J. , “Distributed Collision Avoidance for interacting vehicles: a Command Governor approach” . Proceedings of *NecSys 10*, Annecy (France), 13-14 September, 2010, 2010.
- C5 Garone E. , Tedesco F. , Casavola A. , “Distributed Steady-State Command Governor Strategies for Interconnected Linear Systems” . Proceedings of *Nolcos 2010*, Bologna (Italy), September 2010.
- C6 Casavola A. , Garone E. , Tedesco F. , “Improved Feed-Forward Command Governor Strategies for Discrete-time Time-Invariant Linear Systems” . Proceedings of *Conference on Decision and Control*, Orlando (U.S.), 12-15 December, 2011.
- C7 Franzè G., Famularo D., Tedesco F., “Receding horizon control for constrained networked systems subject to data-losses” . Proceedings of *Conference on Decision and Control*, Orlando (USA), 2011.
- C8 Casavola A. , Garone E. , Tedesco F. , “Distributed Reference Management Strategies for a Networked Water Distribution System” . Proceedings of *18th IFAC World Congress* , Milan (Italy), 2011.
- C9 Casavola A. , Garone E. , Tedesco F. , “Distributed Coordination-by-Constraint Strategies for Multi-agent Networked Systems” . Proceedings of *Conference on Decision and Control*, Orlando (USA), 12-15 December, 2011.
- C10 Casavola A. , Garone E. , Tedesco F. , “A Liveliness Analysis of a Distributed Constrained Coordination Strategy for Multi-Agent Linear Systems” . Proceedings of *Conference on Decision and Control*, Orlando (USA), 12-15 December, 2011.
- C11 Casavola A. , Franzè G. , Garone E. , Tedesco F. , “Distributed Coordination-by-Constraint Strategies in Networked Multi-Area Power Systems” . Proceedings of *IEEE ISIE*, 2011, Gdansk (Poland), 2011.
- C12 Tedesco F., Casavola A., Garone E., “Distributed Command Governor Strategies for Constrained Coordination of Multi-Agent Networked Systems”, Proceedings of *American Control Conference 2012*, Montreal (CA).
- C13 Tedesco F., Casavola A., Garone E., “A Distributed Parallel Command Governor Strategy for the Coordination of Multi-agent Networked Systems”, Proceedings of *IFAC Conference on Nonlinear Model Predictive Control 2012*, Noordwijkerhout (NED).

- C14 Franzè G. , Tedesco F., Famularo D., “Actuator fault tolerant control: a set-theoretic approach”. Proceedings of *Conference on Decision and Control*, Maui, HI, (USA), 10-13 December, 2012.
- C15 Famularo D. , Franzè G. , Tedesco F. , “Controllability analysis of uncertain polytopic systems with time-varying state delay ”. Proceedings of *Conference on Decision and Control*, Maui, HI, (USA), 10-13 December, 2012.
- C16 Tedesco F., Casavola A., Garone E., “A Parallel Distributed Coordination-by-Constraint Strategy for Multi-agent Networked Systems”. Proceedings of *Conference on Decision and Control*, Maui, HI, (USA), 10-13 December, 2012.
- C17 Tedesco F., Casavola A., “A Distributed Command Governor Approach for Voltage Regulation in Medium Voltage Power Grids with Distributed Generation.”, Proceedings of *American Control Conference*, Washington DC (USA) 17-19 June, 2013.
- C18 Tedesco F., Casavola A., “Distributed Parallel Coordination-by-Constraint Strategies in Networked Multi-Area Power Systems”, Proceedings of *21st Mediterranean Conference on Control and Automation* Crete (Grecia), 25-28 June, 2013.
- C19 Franzè G., Tedesco F., “A distributed receding horizon control scheme for leader-follower architectures: a set-theoretic approach”, Proceedings of *NecSys 2013*, Koblenz (Germania) September 25th-26th, 2013.
- C20 Tedesco F., Casavola A., Fedele G., “Discrete-Time Frequency-Locked-Loop Filters for Parameters Estimation of Sinusoidal Signals” Proceedings of *52nd Conference on Decision and Control*, Florence (Italy), December 2013.
- C21 Tedesco F., Casavola A., Fedele G., “Discrete-Time Frequency-Locked-Loop Filters for Exact Asymptotic Rejection of Sinusoidal Disturbances”, *American Control Conference*, Portland (OR), June 2014.
- C22 Casavola A., Di Iorio F., Tedesco F., “Gain-Scheduling Control of Electromagnetic Regenerative Shock Absorbers for Energy Harvesting by Road Unevenness”, *American Control Conference*, Portland (OR), June 2014.
- C23 Franzè G., Mattei M., Ollio L., Scordamaglia V, Tedesco F., “A Reconfigurable Aircraft Control Scheme Based on an Hybrid Command Governor Supervisory Approach”, *American Control Conference*, Portland (OR), June 2014.
- C24 Franzè G., Lucia W., Tedesco F., “A distributed obstacle avoidance MPC strategy for leader-follower formations”, Proceeding of *19th IFAC World Congress*, Cape Town, South Africa, 24-29 August 2014 .
- C25 Tedesco F., Casavola A., “A Cooperative Game Theoretical Approach to Distributed Iterative Command Governor Schemes”, Proceeding of *19th IFAC World Congress*, Cape Town, South Africa, 24-29 August 2014 .
- C26 Tedesco F., Ocampo-Martinez C., Casavola A., Puig V., “On the Comparison of Predictive Control and Command Governor approaches for operational control of drinking water networks: A case study”, Proceeding of *19th IFAC World Congress*, Cape Town, South Africa, 24-29 August 2014.
- C27 Casavola A., Garone E., Tedesco F., “Scalability and Performance Improvement of Distributed Sequential Command Governor Strategies via Graph Colorability Theory”, Proceeding of *19th IFAC World Congress*, Cape Town, South Africa, 24-29 August 2014.
- C28 Tedesco F., Ocampo-Martinez C., Casavola A., Puig V., “A Distributed Command Governor Strategy for the Operational Control of Drinking Water Networks”, Proceeding of *IEEE Conference on Control Applications*, Nice/Antibes, France, 8-10 October 2014.
- C29 Franzè G., Lucia W., and Tedesco F., “A receding horizon scheme for discrete-time polytopic linear parameter varying systems in networked architectures”, *Journal of Physics: Conference Series*, Vol. 570 (3), 2014, doi:10.1088/1742-6596/570/3/032001.
- C30 Angeli D., Casavola A., Tedesco F., “On Average Performance of Economic Model Predictive Control with Time-Varying Cost and Terminal Constraints”, *American Control Conference 2015*, Chicago, IL, July 2015.

- C31 Franzè G., Lucia W., and Tedesco F., “A dwell-time based Command Governor approach for constrained switched systems”, *American Control Conference 2015*, Chicago, IL, July 2015.
- C32 Tedesco F., Casavola A. “Fault-Tolerant Distributed Load/Frequency Coordination Strategies for Multi-Area Power MicroGrids”, *9th International Symposium on Fault Detection, Supervision and Safety for Technical Process - SAFEPROCESS15*, Paris, France, September 2015.
- C33 Casavola A., Famularo D., Franzè G., Tedesco F., “Reachability analysis of networked leader-follower formations”, *5th IFAC Conference on Nonlinear Model Predictive Control*, Seville, Spain, September 2015.
- C34 Angeli D., Casavola A., Tedesco F., “Theoretical advances on Economic Model Predictive Control with time-varying costs”, *5th IFAC Conference on Nonlinear Model Predictive Control*, Seville, Spain, September 2015 (Plenary Paper).
- C35 Casavola A., Lucia W., Tedesco F., “A networked-based MPC architecture for constrained LPV systems”, *Linear Parameter Varying systems - 1st LPVS 2015*, Grenoble, France, October 2015.
- C36 Angeli D., Casavola A., Tedesco F. “Economic Model Predictive Control with Parameter-Varying Cost and Guaranteed Average Performance”, *54th Conference on Decision and Control*, Osaka (Japan), December 2015.
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