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Dati Personali

Nascita: 1974
Nazionalità: Italiana
Indirizzo ufficio: Centro “E. Piaggio”
Largo L. Lazzarino 1, 56100, Pisa, Italia

Ruolo

Professoressa Associata in Automatica (ING-INF04) dal 01 Maggio 2015 presso l’Università di Pisa.

Carriera Universitaria

Ricercatrice in Automatica (ING-INF04) dal 20 Dicembre 2007 al 30 Aprile 2015 presso l’Università di Pisa

Assegnista di Ricerca, presso il Dipartimento di Sistemi Elettrici e Automazione della Università di Pisa in “Tecniche di ottimizzazione applicata alla manipolazione e al controllo di sistemi dinamici ibridi”, *2002-2006*

Formazione e attività di ricerca precedenti

Dottorato di Ricerca in Robotica e Automazione Industriale, Università di Pisa, 2002

Laurea in Matematica, Università di Pisa, 1998

Visiting Researcher presso il Mechanical and Aerospace Engineering Department, della University of California at Los Angeles, USA, Prof. E. Frazzoli, *11-12/2004.*

Visiting Scholar presso il Laboratory for Information and Decision Systems, Massachusetts Institute of Technology, Cambridge USA, Prof. E. Feron, *10/2000-02/2001.*

Attività e Ruoli Istituzionali

Vice Direttrice del Centro di Ricerca “E. Piaggio”, Università di Pisa, da Gennaio 2017.

Responsabile del CrossLab “Advanced Manufacturing”, Dipartimento di Eccellenza, Dipartimento di Ingegneria dell’Informazione da Marzo 2018.

Attività Didattica

Docente Titolare del modulo di Sistemi Robotici Distribuiti (60 ore, 6 CFU) del corso di Robotica, per il corso di Laurea Magistrale in Ingegneria Robotica e dell’Automazione dell’Università di Pisa, *a.a. 2011-2018*

Docente Titolare del modulo di Teoria dei Sistemi del corso di Teoria dei Sistemi e del Controllo, per il corso di Laurea Magistrale in Ingegneria Robotica e dell'Automazione dell'Università di Pisa, *a.a. 2016-2018*

Co-Docente del corso di Controlli Automatici, per il corso di Laurea Triennale in Ingegneria Gestionale dell'Università di Pisa, *a.a. 2016-2018*

Docente Titolare del corso di Teoria dei Sistemi, per il corso di Laurea Triennale in Ingegneria dell'Energia dell'Università di Pisa, *a.a. 2015-2016*

Docente Titolare del corso di Fondamenti di Automatica, per il corso di Laurea Triennale in Ingegneria Meccanica dell'Università di Pisa, *a.a. 2015-2016*

Didattica integrativa di 40 ore del corso di Controllo dei Processi, per il corso di Laurea Specialistica in Ingegneria dell'Automazione dell'Università di Pisa, *a.a. 09-10* (Modulo di Sistemi Robotici Distribuiti).

Docente titolare del corso di Teoria dei Sistemi, per il corso di Laurea Specialistica in Ingegneria Gestionale e per il corso di Laurea Specialistica in Ingegneria dell'Automazione dell'Università di Pisa, *a.a. 08-09 e 09-10*

Docente a contratto per il corso di Controlli Automatici, per il Corso di Laurea in Ingegneria Gestionale dell'Università di Pisa, *a.a. 06-07*

Docente a contratto per il corso di Sistemi ad Eventi Discreti, per il Corso di Laurea Specialistica in Ingegneria Informatica e di Laurea in Ingegneria Gestionale dell'Università di Siena, *a.a. 06-07*

Supporto alla Didattica dei corsi di Regolazione e Controllo dei Sistemi Meccanici per il Corso di Laurea in Ingegneria Meccanica Controlli Automatici e Sistemi per l'Automazione, per il Corso di Laurea Specialistica in Ingegneria Meccanica *a.a. 02-03,03-04*

Supporto alla Didattica del corso di Metodi Matematici per il Corso di Laurea Specialistica in Ingegneria per l'Automazione *a.a. 03-04*

Partecipazione a Progetti di Ricerca Europei

ILIAD: Intra-Logistics with Integrated Automatic Deployment: safe and scalable fleets in shared spaces (ILIAD, H2020-ICT 732737, Start: January 2017, Duration: 48 months). Ruolo: **Principal Investigator**

WALKMAN: Whole-body Adaptive Locomotion and Manipulation (WALKMAN, H2020-ICT 611832, <http://www.walk-man.eu>, Start: September 2013, Duration: 48 months). Ruolo: **WP Leader**

Control of Heterogeneous Automation Systems: Technologies for scalability, reconfigurability and security (CHAT, n. 224428, <http://www.ict-chat.eu/>, Start: September 1st, 2008, Duration: 36 months).

Cooperating Objects NETWORK of excellence (CONET NOE INFSO-ICT-224053, <http://www.cooperating-objects.eu/> Start: June 1st, 2008, Duration: 48 months).

HYCON2- Highly-Complex and Networked Control Systems (HYCON2 NOE ICT-257462,

<http://www.hycon2.eu/> Start: September 1st, 2010, Duration:48 months).

PLATform for the deployment and operation of heterogeneous NETworked cooperating objects (PLANET ICT-2009-2130,
<http://www.planet-ict.eu/> Start: October 1st, 2010, Duration: 48 months).

Premi e riconoscimenti

Vincitrice del premio **“IEEE RAS Italian Chapter Young Author Best Paper Award 2009”** per il lavoro: Lucia Pallottino, Vincenzo G. Scordio, Antonio Bicchi, and Emilio Frazzoli, “Decentralized cooperative policy for conflict resolution in multivehicle systems,” pubblicato su IEEE Transactions on Robotics, 23(6):1170–1183, 2007.

Il lavoro L. Pallottino, E. M. Feron, and A. Bicchi, “Conflict resolution problems for air traffic management systems solved with mixed integer programming,” IEEE Transactions on Intelligent Transportation Systems, vol. 3, no. 1, pp. 311, March 2002, risultato tra i **10 migliori lavori del decennio 2000-2009 della rivista IEEE Transactions on Intelligent Transportation Systems**.

Plenary e relazioni su invito recenti

Keynote Speaker per “IEEE, 8th International Congress on Ultra Modern Telecommunications and Control Systems”, 19 Ottobre, 2016, Lisbona, Portogallo.

Relatore ad invito Workshop “Hybrid Dynamical Systems: Optimization, Stability and Applications”, 9-11 Gennaio 2017, Trento.

Relatore ad invito presso l’Università di Padova (31 Marzo 2016) “The Walk-Man humanoid robot: whole-body loco-manipulation planning and control”.

Relatore ad Invito all’European Robotics Forum 2014, Rovereto, nei workshop “Cognitive Systems: domain evolution and applications in Civil Robotics” e “Advanced Robotics for Industrial Logistics”.

Ruoli e affiliazioni a società scientifiche

IEEE Senior Member

Membro di IEEE Robotics and Automation Society

Membro di IEEE Control Systems Society

Membro di IEEE Industrial Electronics Society

Chair della sezione Italia di IEEE Robotics and Automation Society (I-RAS) (da Gennaio 2015)

Vice-chair della sezione Italia di IEEE Robotics and Automation Society (I-RAS) (da Marzo 2013 a Dicembre 2014)

Attività organizzativa

Comitato organizzatore:

Congress co-chair of Control Systems, Automation and Robotics track, 9th IEEE ICUMT 2017,

Munich, Germany.

Membro del comitato organizzatore del Workshop “2014 Modelling and simulation for autonomous systems” (MESAS14), Roma, 5-6 Maggio 2014.

Congress co-chair of Control Systems, Automation and Robotics track: 6th IEEE ICUMT 2014, St. Petersburg, Russia.

Co-Chair de CONET2012 Third International Workshop on Networks of Cooperating Objects April 16th, 2012 Beijing, China.

Co-Organizzatore locale del Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica: Automatica.it, Pisa, 7-9 settembre 2011.

Membro comitato di programma:

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2007, 2014, 2018);
IEEE Conference on Robotics and Automation (IEEE-ICRA 2011, 2014-2015, 2017-2018);
Robotics: Science and Systems Conference (RSS 2014, 2015)
IEEE Conference on Automation Science and Engineering (IEEE-CASE 2008-2010, 2017-2018);
IEEE International Symposium on Multi-robot and Multi-Agent Systems (MRS 2017);
2010 IEEE Intelligent Vehicles Symposium (IEEE-IVS 2010);
2015 Modelling and simulation for autonomous systems workshop (MESAS15);
Intelligent Robotics and Multi-Agent Systems (IRMAS 2015, 2016);
International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2014);
International Workshop on Networks of Cooperating Objects CONET (2010, 2011 and 2013);
Autonomous Agents and MultiAgent Systems 2011-2013, ARMS@AAMAS2011, ARMS2012, ARMS2013;
1st International Workshop on Robotics IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE SOLI, 2017) Technology Transfer: Innovation from Academia to Industry (RTT 2015)
1st International Conference on Intelligent Robotics Automation and Manufacturing 2012 (IRAM2012)
CMASA - Cooperative Multi-Agent Systems and Applications track of the ACM Symposium on Applied Computing (SAC 2013, 2015, 2017, 2018)
Robotica – International Conference on Autonomous Robot Systems 2013 and 2014
IEEE Conference on on Control Applications (CCA 2014, 2015)
The 8th International Symposium on Distributed Autonomous Robotic Systems 2006 (DARS06);

Attività editoriali internazionali

Comitati Editoriali riviste internazionali:

IEEE Robotics and Automation Letters, (2018- in corso);
IEEE Transaction on Robotics (2013-2017)

International Journal of Advanced Robotic Systems (2013-2015)

Revisore per articoli su rivista:

- Automatica;
- IEEE Transactions on Automatic Control;
- IEEE Transactions on Robotics;
- IEEE Robotics and Automation Magazine;
- International Journal of Robotics Research;

- IEEE Transactions on Automation Science and Engineering
- SIAM Journal On Control and Optimization (SICON);
- Autonomous Robots (Springer);
- Robotics and Autonomous Systems (Elsevier);
- IEEE Transaction on Intelligent Transportation Systems;
- IEEE Transactions on Systems, Man and Cybernetics;
- IFAC Journal on Control Engineering Practice;
- IEEE Transactions on Control System Technology;
- IEEE Transactions on Industrial Informatics;
- Journal of Intelligent and Robotic Systems;
- AIAA Journal of Guidance, Control, and Dynamics;
- Annals of Operations Research;
- European Journal of Operational Research;
- Information Sciences, Elsevier.

Revisore di un capitolo dell'Handbook of Robotics

Revisore di premi per tesi di dottorato per l'European Embedded Control Institute

Revisore esterno per il Portuguese Foundation for Science and Technology (FCT) di progetti di ricerca nel settore Computer Sciences and Engineering, 2010.

Revisore per il Natural Sciences and Engineering Research Council of Canada (NSERC) di progetti di ricerca "Discovery Grant", 2012.

Revisore per il Fund for Scientific Research (F.R.S.-FNRS), 2013, 2015.

Pubblicazioni

Pubblicazioni su rivista o capitoli di libri

1. M. Tognon, C. Gabellieri, L. Pallottino, A. Franchi, "Aerial Co-Manipulation With Cables: The Role of Internal Force for Equilibria, Stability, and Passivity", IEEE Robotics and Automation Letters, Vol. 3, n. 3, pp. 2577 - 2583, 2018.
2. N. G. Tsagarakis, F. Negrello, M. Garabini, W. Choi, L. Baccelliere, V. G. Loc, J. Noorden, M. Catalano, M. Ferrati, L. Muratore, P. Kryczka, E. Mingo Hoffman, A. Settimi, A. Rocchi, A. Margan, S. Cordasco, D. Kanoulas, A. Cardellino, L. Natale, H. Dallali, J. Malzahn, N. Kashiri, V. Varricchio, L. Pallottino, C. Pavan, J. Lee, A. Ajoudani, D. G. Caldwell, A. Bicchi, "WALK-MAN Humanoid Platform", The DARPA Robotics Challenge Finals: Humanoid Robots To The Rescue. Editors Spenko M., Buerger S., Iagnemma K., Springer Tracts in Advanced Robotics, vol 121, pp 495-548, Springer.

3. A. Cristofaro, P. Salaris, L. Pallottino, F. Giannoni and A. Bicchi, “On the Minimum-Time Control Problem for Differential Drive Robots with Bearing Constraints”, *Journal of Optimization Theory and Applications*, pp. 1-27, 2017.
4. N. G. Tsagarakis, D. G. Caldwell, F. Negrello, W. Choi, L. Baccelliere, V. G. Loc, J. Noorden, L. Muratore, A. Margan, A. Cardellino, L. Natale, E. Hoffman Mingo, H. Dallali, N. Kashiri, J. Malzahn, J. Lee, P. Kryczka, D. Kanoulas, M. Garabini, M. G. Catalano, M. Ferrati, V. Varricchio, L. Pallottino, C. Pavan, A. Bicchi, A. Settimi, A. Rocchi, and A. Ajoudani, “WALK-MAN: A High-Performance Humanoid Platform for Realistic Environments”, *Journal of Field Robotics*, vol. 34, no. 4, pp. 1 - 34, 2017.
5. H. Marino, P. Salaris, and L. Pallottino, “Controllability analysis of a pair of 3D Dubins vehicles in formation”, *Robotics and Autonomous Systems*, vol. 83, pp. 94-105, 2016.
6. M. Ferrati, A. Settimi, L. Muratore, A. Cardellino, A. Rocchi, E. Mingo Hoffman, C. Pavan, D. Kanoulas, N.G. Tsagarakis, L. Natale, and L. Pallottino, “The Walk-Man Robot Software Architecture”, *Frontiers in Robotics AI*, 2016.
7. P. Salaris, A. Cristofaro, and L. Pallottino, “Epsilon-Optimal Synthesis for Unicycle-like Vehicles with Limited Field-Of-View Sensors”, *IEEE Transactions on Robotics (T-RO)*, vol. 31, no. 6, pp. 1404 - 1418, 2015.
8. P. Salaris, A. Cristofaro, L. Pallottino, and A. Bicchi, “Epsilonoptimal synthesis for vehicles with vertically bounded Field-Of-View”, *IEEE Transactions on Automatic Control*, vol. 60, no. 5, pp. 1204 - 1218, 2015.
9. S. Martini, D. Di Baccio, F. Alarcòn-Romero, A. Viguria-Jiménez, L. Pallottino, G. Dini, and A. Ollero, “Distributed motion misbehavior detection in teams of heterogeneous aerial robots”, *Robotics and Autonomous Systems information*, vol. 74 part A, pp. 30-39, 2015.
10. P. Salaris, L. Pallottino, and A. Bicchi, “Shortest Paths for Finned, Winged, Legged and Wheeled Vehicles with Side-Looking Sensors”, *International Journal of Robotics Research*, 31(8):997-1017, 2012.
11. A. Bicchi, A. Fagiolini, and L. Pallottino, “Towards a Society of Robots: Behaviors, Misbehaviors, and Security”, *IEEE Robotics and Automation Magazine*, 17(4):26 - 36, December 2010.
12. P. Salaris, D. Fontanelli, L. Pallottino and A. Bicchi, “Shortest Paths for a Robot with Non-holonomic and Field-of-View Constraints”, *IEEE Trans. on Robotics*, 26(2):269 - 281, 2010.
13. A. Bicchi, A. Danesi, G. Dini, S. La Porta, L. Pallottino, I. M. Savino, and R. Schiavi, “Heterogeneous Wireless Multirobot System”, *Robotics and Automation Magazine, IEEE*, 15(1):62-70, 2008.
14. L. Pallottino, V. G. Scordio, E. Frazzoli, and A. Bicchi, “Decentralized cooperative policy for conflict resolution in multi-vehicle systems”. *IEEE Trans. on Robotics*, 23(6):1170-1183, 2007.
15. A. Bicchi, A. Caiti, L. Pallottino, G. Tonietti, “Online Robotic Experiments for Tele-Education at the University of Pisa”, *Int. Journal of Robotic Systems*, 22(4):217-230, 2005. Note: Special issue on Internet & Online Robots for Telem Manipulation.
16. L. Pallottino, E. Feron, A. Bicchi, “Conflict Resolution Problems for Air Traffic Management Systems Solved with Mixed Integer Programming”, *IEEE Transaction on Intelligent Transportation Systems*, vol. 3, no. 1, pp. 3-11, March 2002.
17. S. Pancanti, L. Leonardi, L. Pallottino, A. Bicchi, “Optimal control of quantized input systems”, M. Greenstreet and C. Tomlin, editors, *Hybrid Systems: Computation and Control*, LNCS 2289 Lecture Notes in Computer Science. Springer-Verlag, Heidelberg, Germany, pp. 351-363, 2002.

18. A. Bicchi and L. Pallottino, “On Optimal Cooperative Conflict Resolution for Air Traffic Management Systems”, *IEEE Transaction on Intelligent Transportation Systems*, vol. 1, no.4, pp.221-231, Dec. 2000.
19. A. Bicchi and L. Pallottino, “Optimal planning for coordinated vehicles with bounded curvature”, In B. Donald, K. Lynch, and D. Rus, editors, *Algorithmic and Computational Robotics: New Directions*, volume 1, pages 167-172, 2000.

Publicazioni su atti di convegno

1. L. Silvestri, L. Pallottino, S. Nardi, “Design of an indoor autonomous robot navigation system for unknown environments”, in International Workshop on Modelling and Simulation for Autonomous Systems MESAS 2017, Rome, Italy, 24-26 October 2017, Lecture Notes in Computer Science 10756 (LNCS), pp. 153-169, 2018.
2. A. Mannucci, S. Nardi, L. Pallottino, “Autonomous 3D exploration of large areas: A cooperative frontier-based approach”, in International Workshop on Modelling and Simulation for Autonomous Systems MESAS 2017, Rome, Italy, 24-26 October 2017, Lecture Notes in Computer Science 10756 (LNCS), pp. 18-39, 2018.
3. M. Bonilla, L. Pallottino and A. Bicchi, “Noninteracting Constrained Motion Planning and Control for Robot Manipulators”, in IEEE International Conference on Robotics and Automation (ICRA 2017), Singapore, 29 May - 3 June, pp. 4038-4043, 2017.
4. T. Fabbri, E. Simetti, G. Casalino, L. Pallottino, and A. Caiti, “Distributed Task-priority Based Control in Area Coverage & Adaptive Sampling”, in MTS/IEEE Oceans 2017, Aberdeen, Scotland, June 2017, 2017.
5. A. Settimi, D. Caporale, P. Kryczka, M. Ferrati, L. Pallottino, “Motion Primitive Based Random Planning for LocoManipulation Tasks”, in IEEE International Conference on Humanoid Robots (HUMANOIDS 2016), Cancun, Mexico, 15-17 Nov. 2016 , 2016.
6. G. M. Gasparri, F. Fabiani, M. Garabini, L. Pallottino, M.G. Catalano, G. Grioli, R. Persichini, and A. Bicchi, “Robust Optimization of System Compliance for Physical Interaction in Uncertain Scenarios”, in IEEE International Conference on Humanoid Robots (HUMANOIDS2016), Cancun, Mexico, 15-17 Nov. 2016 , 2016.
7. M. Ferrati, H. Marino, A. Settimi, S. Nardi, and L. Pallottino, “Multiobject handling for robotic manufacturing”, in IECON 2016: 42nd Annual Conference of the IEEE Industrial Electronics Society, Florence, Italy, October 24-27.
8. S. Nardi, T. Fabbri, A. Caiti, and L. Pallottino, “A game theoretic approach for antagonistic-task coordination of underwater autonomous robots in asymmetric threats scenarios”, in OCEANS 2016, 2016.
9. A. Ferrarelli, D. Caporale, A. Settimi, and L. Pallottino. “APRICOT: Aerospace PRototypIng COntrol Toolbox. A Modeling and Simulation Environment for Aircraft Control Design”, in International Workshop on Modelling and Simulation for Autonomous Systems MESAS 2016, Rome, Italy, June 15-16, 2016, 2016, vol. 9991 of the book series Lecture Notes in Computer Science (LNCS), pp. 139 - 157.
10. T. Fabbri, S. Nardi, L. Isgrò, L. Pallottino, and A. Caiti, “Assessing the Potential of Autonomous Multi-agent Surveillance in Asset Protection from Underwater Threats”, in International Workshop on Modelling and Simulation for Autonomous Systems MESAS 2016, Rome, Italy, June 15-16, 2016, 2016, vol. 9991 of the book series Lecture Notes in Computer Science (LNCS), pp. 204 - 213.

11. A. Faralli, N. Giovannini, S. Nardi, and L. Pallottino, “Indoor Real-Time Localisation for Multiple Autonomous Vehicles Fusing Vision, Odometry and IMU Data”, in International Workshop on Modelling and Simulation for Autonomous Systems MESAS 2016, Rome, Italy, June 15-16, 2016, 2016, vol. 9991 of the book series Lecture Notes in Computer Science (LNCS), pp. 288 - 297.
12. S. Nardi, and L. Pallottino, “NoStop: An Open Source Framework for Design and Test of Coordination Protocol for Asymmetric Threats Protection in Marine Environment”, in International Workshop on Modelling and Simulation for Autonomous Systems MESAS 2016, Rome, Italy, June 15-16, 2016, 2016, vol. 9991 of the book series Lecture Notes in Computer Science (LNCS), pp. 176 - 185.
13. S. Nardi, C. Della Santina, D. Meucci, and L. Pallottino, “Coordination of unmanned marine vehicles for asymmetric threats protection”, in MTS/IEEE Oceans 2015, May 18-21, Genoa, Italy, 2015.
14. M. Bonilla, E. Farnioli, L. Pallottino, and A. Bicchi, “Sample-Based Motion Planning for Robot Manipulators with Closed Kinematic Chains”, in IEEE International Conference on Robotics and Automation (ICRA2015), Seattle, USA, 25 - 30 May, 2015, pp. 2522 - 2527.
15. G. M. Gasparri, M. Garabini, L. Pallottino, L. Malagia, M. G. Catalano, G. Grioli, and A. Bicchi, “Variable Stiffness Control for Oscillation Damping”, in IEEE International Conference of Intelligent Robots and Systems (IROS2015), Hamburg, Germany, September 28 - October 02, 2015, 2015, pp. 6543 - 6550.
16. M. Ferrati, A. Settini, and L. Pallottino, “ASCARI: a component based simulator for distributed mobile robot systems”, in Modelling & Simulation for Autonomous Systems - MESAS2014, Rome, 5-6 May 2014, 2014, vol. Lecture Notes in Computer Science, Volume 8906, 2014, pp. 152-163.
17. A. Cristofaro, P. Salaris, L. Pallottino, F. Giannoni, and A. Bicchi, “On Time-Optimal Trajectories for Differential Drive Vehicles with Field-Of-View Constraints”, in IEEE Conference on Decision and Control (CDC2014), Los Angeles, USA, December 15-17, 2014, pp. 2191 - 2197.
18. T. Rizano, D. Fontanelli, L. Palopoli, L. Pallottino, and P. Salaris, “Global Path Planning for Competitive Robotic Cars”, In IEEE Conference on Decision and Control 2013, Florence, Italy, p. 4510 - 4516.
19. P. Salaris, A. Cristofaro, L. Pallottino, and A. Bicchi, “Shortest paths for wheeled robots with limited Field-Of-View: introducing the vertical constraint”, In IEEE Conference on Decision and Control 2013, Florence, Italy, p. 5143 - 5149.
20. A. Settini and L. Pallottino, “A Subgradient Based Algorithm for Distributed Task Assignment for Heterogeneous Mobile Robots”, In IEEE Conference on Decision and Control 2013, Florence, Italy, p. 3665 - 3670.
21. M. Ferrati and L. Pallottino, “A time expanded network based algorithm for safe and efficient distributed multi-agent coordination”, In IEEE Conference on Decision and Control 2013, Florence, Italy, p. 2805 - 2810.
22. L. Cancemi, A. Fagiolini, and L. Pallottino, “Distributed Multilevel Motion Planning for Autonomous Vehicles in Large Scale Industrial Environments”, In IEEE International Conference on Emerging Technologies & Factory Automation (ETFA), 2013, p. 1-8.
23. H. Marino, M. Bonizzato, R. Bartalucci, P. Salaris, and L. Pallottino, “Motion Planning for Two 3D-Dubins Vehicles with Distance Constraint”, In International Conference of Intelligent Robots and Systems - IROS 2012, Vilamoura, Algarve, Portugal, 2012, p. 4702 - 4707.

24. P. Salaris, L. Pallottino, S. Hutchinson, A. Bicchi, "From Optimal Planning to Visual Servoing With Limited FOV", IEEE/RSJ International Conference on Intelligent Robots and Systems, pages 2817 - 2824, 2011.
25. S. Manca, A. Fagiolini, and L. Pallottino, "Decentralized Coordination System for Multiple AGVs in a Structured Environment", In 2011 Congress of the International Federation of Automatic Control, Milano, Italy, pages 6005 - 6010, August 28 - September 2 2011.
26. P. Salaris, L. Pallottino, and A. Bicchi, "Shortest Paths With Side Sensor", In 2011 IEEE International Conference on Robotics and Automation, Shanghai, China, pages 4875 - 4882, May 9 - 13 2011.
27. H. Wang, L. Pallottino, and A. Bicchi, "Controllability Properties for Aircraft Formations", In Proc. IEEE Conference on Decision and Control 2010, pages 2047 - 2054, 2010.
28. H. Wang, L. Pallottino, and A. Bicchi, "Motion planning for Formations of Dubins Vehicles", In Proc. IEEE Conference on Decision and Control 2010, pages 2263 - 2269, 2010.
29. H. Wang, L. Pallottino, and A. Bicchi, "Controllability for Pairs of Vehicles Maintaining Constant Distance", In IEEE International Conference on Robotics and Automation (ICRA2010), Anchorage, Alaska, pages 342 - 349, May 3 - 8 2010.
30. L. Pallottino, P. Salaris, D. Fontanelli, and A. Bicchi, "Shortest Paths for Non-holonomic Vehicles with Limited Field of View Camera", In Proc. IEEE Conference on Decision and Control, Shanghai, China, pages 8434 - 8439, December, 16 - 18 2009.
31. P. Alriksson, J. Nordh, K.-E. Arzén, A. Bicchi, A. Danesi, R. Schiavi and L. Pallottino, "A Component-Based Approach to Localization and Collision Avoidance for Mobile Multi-Agent Systems", Proc. European Control Conference (ECC), pages 4285-4292, July 2007.
32. A. Balestrino and L. Pallottino, "Higher order method for non linear equations resolution: application to mobile robot control", In Proc. European Control Conference, pp. 3628-3634, 2007.
33. A. Fagiolini, G. Valenti, L. Pallottino, G. Dini, and A. Bicchi, "Decentralized Intrusion Detection for Secure Cooperative Multi-Agent Systems", In Proc. IEEE Int. Conf. on Decision and Control, pages 1553-1558, 2007.
34. A. Fagiolini, G. Valenti, L. Pallottino, G. Dini, and A. Bicchi, "Local Monitor Implementation for Decentralized Intrusion Detection in Secure Multi-Agent Systems", In 3rd IEEE Conference on Automation Science and Engineering, pages 454-459, 2007.
35. L. Pallottino and A. Bicchi, "A Dynamic Programming Approach to Optimal Planning for Vehicles with Trailers", In Proc. IEEE Int. Conf. on Robotics and Automation, pages 3098-3103, 2007.
36. L. Pallottino, A. Bicchi, and E. Frazzoli, "Probabilistic verification of decentralized multi-agent control strategies: a case study in conflict avoidance", In American Control Conference (ACC), pages 170-175, 2007.
37. A. Danesi, A. Fagiolini, I. Savino, L. Pallottino, R. Schiavi, G. Dini, and A. Bicchi, "A scalable platform for safe and secure decentralized traffic management of multiagent mobile systems", In ACM Workshop on Real-World Wireless Sensor Networks, 2006.
38. L. Pallottino, V.G. Scordio, E. Frazzoli, and A. Bicchi, "Decentralized and scalable conflict resolution strategy for multi-agents systems", In Int. Symp. on Mathematical Theory of Networks and Systems, Kyoto, Japan, 2006.

39. L. Pallottino, V. G. Scordio, E. Frazzoli, and A. Bicchi, "Probabilistic verification of a decentralized policy for conflict resolution in multi-agent systems", 2006 IEEE International Conference on Robotics and Automation, Orlando, FL, pp 2448-2453, May 2006.
40. A. Balestrino, A. Bicchi, A. Caiti, V. Calabrò, T. Cecchini, A. Coppelli, L. Pallottino, G. Tonietti: "From Tele-Laboratory to E-Learning in Automation Curricula at the University of Pisa", In Proc. IFAC World Congress 2005, Praha, CZ 2005.
41. L. Pallottino, V. G. Scordio, E. Frazzoli, and A. Bicchi: "Decentralized Cooperative Conflict Resolution for Multiple Nonholonomic Vehicles". In Proc. of the AIAA Conf. on Guidance, Navigation, and Control, San Francisco, CA, August 2005.
42. A. Balestrino, A. Bicchi, A. Caiti, T. Cecchini, L. Pallottino, A. Pisani, G. Tonietti: "A Robotic Set-Up with Remote Access for "Pick and Place" Operations Under Uncertainty Conditions". In P. Borza, L. Gomes, and G. Scutaru, editors, E-learning and Virtual and Remote Laboratories, Proc. VIRTUAL-LAB 2004, pages 144-149, 2004.
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