Pubblicazioni scientifiche recenti, rappresentative delle attività di ricerca nell'area di Ingegneria dell'Automazione.

Balestrino Aldo

- *A.Balestrino, F.B.Verona, A.Landi*, On-line process estimation by ANN and Smith controller design, IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, num. 2, **vol. 145**, p. 231, **1998**
- *A.Balestrino, A.Landi, L.Sani, P.Toni*, Reiezione dei disturbi in un laminatoio, Automazione e Strumentazione, num. 10, **vol. 46**, p. 127, **1998**
- *A. Balestrino, O. Bruno, A. Landi, L. Sani*, Sensoristica e controllo di pantografi per alta velocità, Automazione e Strumentazione, num. 11, **vol. 46**, p. 111, **1998**
- *Balestrino-A; Landi-A; Sani-L*, Automatic nonlinear auto tune variation (NATv) method for the identification of Hammerstein and Wiener models, Automazione-e-Strumentazione, num. 3, **vol. 48**, p. 107, **2000**
- *A. Balestrino, O. Bruno, A. Landi, L. Sani*, Innovative solutions for overhead catenary-pantograph system: wire actuated control and observed contact force, VEHICLE SYSTEM DYNAMICS, num. 2, **vol. 33**, p. 69, **2000**
- *A.Balestrino, O.Bruno, A. Landi, M Papi*, La qualità della captazione nei sistemi di trasporto ad alta velocità, Automazione e Strumentazione, num. 6, p. 117, **2000**
- *M.Innocenti, A.Balluchi, A.Balestrino*, Modeling of Nonlinear Human Operator in the Control loop: Preliminary Results, JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, num. 4, **vol. 23**, p. 736, **2000**
- *A. Balestrino, A. Landi, L. Sani*, Parameter identification of continuous systems with multiple-input time delays via modulating functions, IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, num. 1, **vol. 147**, p. 19, **2000**
- *A. Balestrino, A. Landi, L. Sani*, Procedure automatiche di autosintonia per modelli Hammerstein-Wiener, Automazione e Strumentazione, num. 3, **vol. 48**, p. 107, **2000**
- *A.Balestrino, A.Landi, M. Ould Zmirli, L.Sani*, Automatic non linear autotuning method for Hammerstein modelling of electrical drives, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, num. 3, **vol. 48**, p. 645, **2001**
- *A.Balestrino, G.Cannata*, Inversion of matrices and matrix functions as a nonlinear discrete system: Stability and sensitivity analysis., IEE Proceedings Control Theory and Applications, num. 1, **vol. 148**, p. 43, **2001**
- *A.Balestrino,A.Landi, L.Sani, A.Di Moia*, SATV per l'autosintonia di regolatori PID, Automazione e Strumentazione, num. 6, **vol. 49**, p. 107, **2001**
- *A.Balestrino A.Landi L.Sani*, CUK Converter Global Control via Fuzzy Logic and Scaling Factors, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, num. 2, **vol. 38**, p. 406, **2002**
- *Aldo Balestrino, Alberto Landi, and Luca Sani*, Complete Root Contours for Circle Criteria and Relay Autotune implementation, IEEE CONTROL SYSTEMS MAGAZINE, num. 5, **vol. 22**, p. 82, **2002**
- *A. Balestrino, A. Landi*, I controlli nel trasporto ferroviario ad alta velocità, Automazione e Strumentazione, num. 3, p. 107, **2002**

Bicchi Antonio

- *A. Bicchi, G. Casalino, C. Santilli*, Planning Shortest Bounded--Curvature Paths for a Class of Nonholonomic Vehicles among Obstacles, Journal of Intelligent and Robotic Systems, num. 4, **vol. 16**, p. 387, **1996**
- *D. Prattichizzo, A. Bicchi*, Consistent Specification of Manipulation Tasks for Defective Mechanical Systems, JOURNAL OF DYNAMIC SYSTEMS MEASUREMENT AND CONTROL-TRANSACTIONS OF THE ASME, **vol. 119**, p. 767, **1997**
- *D. Prattichizzo, A. Bicchi*, Dynamic Analysis of Mobility and Graspability of General Manipulation Systems, IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION, num. 2, **vol. 14**, p. 241, **1998**
- *A. Balluchi, A. Bicchi*, Robust Decentralized Variable Structure Tracking for Systems with Time-Domain Dominance, Applied Mathematics and Computer Science, num. 2, **vol. 9**, p. 101, **1999**
- *A. Bicchi, D. Prattichizzo*, Analysis and Optimization of Tendinous Actuation for Biomorphically Designed Robotic Systems, ROBOTICA, **vol. 18**, p. 23, **2000**
- *A. Bicchi*, Hands for Dextrous Manipulation and Robust Grasping: a Difficult Road Towards Simplicity, IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION, num. 5, **vol. 15**, p. 1031, **2000**
- *A. Bicchi, D. Prattichizzo*, Manipulability of Cooperating Robots with Unactuated Joints and Closed-Chain Mechanisms, IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION, num. 4, **vol. 15**, p. 335, **2000**
- *A. Bicchi, L. Pallottino*, On Optimal Cooperative Conflict Resolution for Air Traffic Management Systems, IEEE Trans. Intelligent Transportation Systems, num. 4, **vol. 1**, p. 303, **2000**

- *A. Marigo, M. Ceccarelli, S. Piccinocchi, A. Bicchi*, [Planning Motions of Polyhedral Parts by Rolling](#), ALGORITHMICA, **vol. 26**, p. 560, **2000**
- *A. Marigo, A. Bicchi*, [Rolling Bodies with Regular Surface: Controllability Theory and Applications](#), IEEE TRANSACTIONS ON AUTOMATIC CONTROL, num. 9, **vol. 45**, p. 1586, **2000**
- *A. Bicchi, D. De Rossi, P. Scilingo*, [The Role of Contact Area Spread Rate in Haptic Discrimination of Softness](#), IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION, num. 5, **vol. 16**, p. 496, **2000**
- *P. Soueres, A. Balluchi, A. Bicchi*, [Optimal feedback control for line tracking with a bounded--curvature vehicle](#), INTERNATIONAL JOURNAL OF CONTROL, num. 10, **vol. 74**, p. 1009, **2001**
- *L. Pallottino, E. Feron, and A. Bicchi,*, [Conflict resolution problems for air traffic management systems](#), IEEE Trans. Intelligent Transportation Systems, num. 1, **vol. 3**, p. 3, **2002**
- *A. Bicchi and A. Marigo,*, [Dexterous grippers: Putting nonholonomy to work for fine manipulation](#), INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH, num. 5-6, **vol. 21**, p. 427, **2002**
- *A. Bicchi and H. Arai,*, [Editorial for the special issue on "nonholonomy on purpose"](#), INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH, num. 5-6, **vol. 21**, p. 387, **2002**
- *A. Balluchi and A. Bicchi,*, [Necessary and sufficient conditions for robust perfect tracking under variable structure control](#), INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL, num. 6, **vol. 12**, p. 22, **2002**
- *A. Bicchi, A. Marigo, and B. Piccoli*, [On the reachability of quantized control systems](#), IEEE TRANSACTIONS ON AUTOMATIC CONTROL, num. 47, **vol. 4**, p. 546, **2002**

Caiti Andrea

- *A. Caiti, O. Bergem, J. Dybedal*, [Parametric sonars for seafloor characterization](#), Measurement Science and Technology, num. 12, **vol. 10**, p. 1105, **1999**
- *A. Caiti*, [Seafloor properties determination from acoustic backscattering at normal incidence with a parametric source](#), JOURNAL OF COMPUTATIONAL ACOUSTICS, num. 2, **vol. 8**, p. 365, **2000**
- *A. Caiti, A. Garulli, F. Livide, D. Prattichizzo*, [Set membership acoustic tracking of autonomous underwater vehicles](#), Acta Acustica united with Acustica, num. 5, **vol. 88**, p. 648, **2002**
- *L. Mozzone, P. Lorenzelli, A. Caiti, S. Bongi*, [Target motion analysis with multiple distributed acoustic sensors](#), European Conference Underwater Acoustics, **vol. 1**, 1, Lyon, F **2000**
- *A. Alvarez, A. Caiti*, [A genetic algorithm for autonomous underwater vehicles route planning in ocean environments with complex space-time variability](#), Control Applications in Marine Systems, **vol. 1**, 1, Glasgow, UK **2001**
- *A. Alvarez, A. Caiti*, [Path planning of autonomous underwater vehicles in ocean environments with complex spatial variability](#), GOATS 2000 - Generic Oceanographic Array Technology Systems, **vol. 1**, 1, La Spezia, I **2001**
- *A. Caiti, A. Garulli, F. Livide, D. Prattichizzo*, [Acoustic tracking of autonomous underwater vehicles by a set-membership approach](#), IFAC World Conference, **vol. I**, 1, Barcelona **2002**
- *A. Balestrino, A. Caiti, L. Sani*, [Identification of a class of Hammerstein nonlinear MIMO systems](#), IFAC World Conference, **vol. I**, 1, Barcellona **2002**
- *A. Alvarez, A. Caiti*, [Interactions of autonomous underwater vehicles with variable scale ocean structures](#), IFAC World Conference, **vol. I**, 1, Barcellona **2002**
- *A. Caiti, O. Bergem*, "[Inversion of normal incidence backscattered data: getting seabed geoacoustic and morphological parameters](#)" in *Experimental acoustic inversion methods for exploration of the shallow water environment*, A. Caiti, J.-P. Hermand, S.M. Jesus, M.B. Porter, **2000**
- *A. Balestrino, A. Caiti, A. Landi, L. Sani*, "[Qualitative modeling and identification](#)" in *Non-Linear Dynamics and Control in Process Engineering Control in Process Engineering - Recent Advances*, S. Crescelli, G. Continillo, M. Giona, **2001**
- *A. Caiti, J-P. Hermand, S.M. Jesus, M.B. Porter*, [Experimental Acoustic Inversion Methods for Exploration of the Shallow Water Environment](#), A. Caiti, J.-P. Hermand, S.M. Jesus, M.B. Porter, **2000**

Ciulli Enrico

- *E. Ciulli, B. Piccigallo*, [Fondamenti di lubrificazione elastoidrodinamica](#), ATA - Ingegneria Automotoristica, num. 3, **vol. 49**, p. 109, **1996**
- *R. Bassani, E. Ciulli, P. Forte*, [An investigation on thrust bearing tilting pads](#), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF, **vol. 212**, p. 271, **1998**
- *R. Bassani, E. Ciulli, F. Di Puccio*, [Analysis of a surface crack in rolling bearings](#), Applied Mechanics and Engineering, **vol. 4**, p. 305, **1999**

- *R. Bassani, E. Ciulli, F. Di Puccio, M. Lorenzetti*, Analysis of wear effects in cylinder-plane contacts after working in boundary lubrication conditions, Mecânica Experimental, **vol. 6**, p. 117, **2001**
- *R. Bassani, E. Ciulli, F. Di Puccio, A. Musolino*, Study of conic permanent magnet bearings, MECCANICA, num. 6, **vol. 36**, p. 745, **2001**
- *R. Bassani, E. Ciulli, M. Lorenzetti*, Experimental research on hydrostatic bearing in hydraulic actuators, International Journal of Applied Mechanics and Engineering, num. 2, **vol. 7**, p. 479, **2002**
- *E. Ciulli*, Formulas for Entraining Velocity in Lubricated Line Contacts, JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, num. 4, **vol. 124**, p. 856, **2002**
- *E. Ciulli, F. Di Puccio, R. Squarcini*, Control and management of the CRTM journal bearings test rig, AITC2002, 3rd AIMETA International Tribology Conference, **vol. CD**, 1, Vietri sul Mare, Salerno **2002**
- *R. Bassani, E. Ciulli, F. Di Puccio, B. Piccigallo, R. Squarcini, I. Moretto*, Experimental and theoretical results on the CRTM plain journal bearings up to extreme working conditions, AITC2002, **vol. CD**, 1, Vietri sul Mare, Salerno **2002**
- *R. Bassani, E. Ciulli, M. Lorenzetti*, Investigation on the friction coefficient of some materials for advanced applications, AITC2002, **vol. CD**, 1, Vietri sul Mare, Salerno **2002**
- *R. Bassani, E. Ciulli*, Micro-investigation of bushes for extreme working conditions, AUSTRIB 2002, **vol. 1**, 1, Perth, Western Australia **2002**
- *R. Bassani, E. Ciulli, B. Piccigallo, R. Squarcini*, Numerical multilevel investigation for evaluation of pressure distribution in EHL circular contacts from measured film thickness, AITC2002, **vol. CD**, 1, Vietri sul Mare, Salerno **2002**

Forte Paola

- *E. Manfredi, P. Forte*, Studi italiani sulla fatica: il periodo 1930-1970, Notiziario AIAS, num. 83, p. 20, **1997**
- *R. Bassani, E. Ciulli, P. Forte*, An investigation on thrust bearing tilting pads, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF, **vol. 212**, p. 271, **1998**
- *P. Forte, F. Latini*, Theoretical rotordynamic coefficients of labyrinth gas seals: a parametric study on a bulk model, International Journal of Rotating Machinery, num. 1, **vol. 5**, p. 67, **1999**
- *C.Carmignani, P.Forte*, Active squeeze film dampers in rotordynamics, International Journal of Applied Mechanics and Engineering, num. 1, **vol. 6**, p. 1, **2001**
- *S. Barone, L. Borgianni, P. Forte*, Studio delle tensioni di contatto e della ripartizione del carico fra denti in ingranaggi face gear, Quaderni AIAS, num. 1, **vol. 8**, p. 81, **2001**
- *Francesca Di Puccio, Paola Forte, Andrea Pratesi, Raimondo Hippoliti*, Assessment of discomfort due to motorscooter hand-transmitted vibration, SAE TRANSACTIONS JOURNAL OF PASSENGER CARS: MECHANICAL SYSTEMS, **vol. 1**, p. 2086, **2002**
- *Barone Sandro, Borgianni Leonardo, Forte Paola*, CAD/FEM procedures for stress analysis in unconventional gear applications, International Journal of Computer Applications in Technology, num. 4/5, **vol. 15**, p. 157, **2002**
- *Sandro Barone, Paola Forte*, Le sollecitazioni degli ingranaggi a denti frontali, Progettare, num. 262, p. 81, **2002**
- *Paola Forte, Andrea Pratesi*, Design of an automotive short-long arm suspension for misuse impact, INTERNATIONAL JOURNAL OF VEHICLE DESIGN, num. 4, **vol. 31**, p. 392, **2003**

Guiggiani Massimo

- *Massimo Guiggiani*, Sensitivity analysis for boundary element error estimation and mesh refinement, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, **vol. 39**, p. 2907, **1996**
- *Marc Bonnet, Massimo Guiggiani*, Comments about the paper entitled "A generalized boundary integral equation for isotropic heat conduction with spatially varying thermal conductivity" by A. J. Kassab and E. Divo, ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, **vol. 22**, p. 235, **1998**
- *Marc Bonnet, Massimo Guiggiani*, Tangential derivatives of singular boundary integrals with respect to the position of collocation points, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, **vol. 41**, p. 1255, **1998**
- *Attilio Frangi, Massimo Guiggiani*, Boundary element analysis of Kirkhhoff plates with direct evaluation of hypersingular integrals, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, **vol. 46**, p. 1845, **1999**
- *Attilio Frangi, Massimo Guiggiani*, A direct approach for boundary integral equations with high-order singularities, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, **vol. 49**, p. 871, **2000**

- *A. Frangi, M. Guiggiani*, [Free terms and compatibility conditions for 3D hypersingular boundary integral equations](), ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, num. 10, **vol. 81**, p. 651, **2001**
- *M. Bonnet, M. Guiggiani*, [Direct evaluation of double singular integrals and new free terms in 2D (symmetric) Galerkin BEM](), COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, **vol. 192**, p. 2565, **2003**
- *Marc Bonnet, Massimo Guiggiani*, [Galerkin BEM with direct evaluation of hypersingular integrals](), Electronic Journal of Boundary Elements, num. 2, **vol. 1**, p. 95, **2003**
- *T. Amato, F. Frendo, M. Guiggiani*, [Handling Behavior of Racing Karts](), SAE TRANSACTIONS JOURNAL OF PASSENGER CARS: MECHANICAL SYSTEMS, **vol. 1**, p. 2096, **2003**

Innocenti Mario

- *F. Paoletti, A. Landi, M. Innocenti*, [A CAD tool for limit cycle prediction in nonlinear systems](), IEEE TRANSACTIONS ON EDUCATION, num. 4, **vol. 39**, p. 505, **1996**
- *Napolitano, M.R., Casdorph, V., Neppach, C., Naylor, S., Innocenti, Mario, Silvestri, G*, [On-Line Learning Neural Architectures and Cross-Correlation Analysis for Actuator Failure Detection and Identification](), INTERNATIONAL JOURNAL OF CONTROL, num. 3, **vol. 63**, p. 433, **1996**
- *Innocenti Mario Thukral Ajay*, [Robustness of a Variable Structure Control System for Maneuverable Flight Vehicles](), JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, num. 2, **vol. 20**, p. 377, **1997**
- *Napolitano M Silvestri G Windon D Casanova J Innocenti Mario*, [Kalman Filters and Neural Network Approaches for Sensor Validation in Flight Control Systems](), IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, num. 5, p. 596, **1998**
- *Thukral Ajay Innocenti Mario*, [Missile Pitch Autopilot for high Angle of Attack Maneuvering](), IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, num. 3, **vol. 6**, p. 359, **1998**
- *Napolitano, M.R. Silvestri, G. Innocenti Mario Windon, D.A Casanova, J.L*, [Sensor Validation using Hardware-based On-Line Learning Neural Networks](), IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, **vol. 5**, p. 596, **1998**
- *Innocenti MArio*, [Book Review - Helicopter Flight Dynamics: The Theory and Application of Flying Qualities and Simulation Modeling](), JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, num. 2, **vol. 22**, p. 383, **1999**
- *Wilkie Jaqueline Campa Giampiero Innocenti Mario*, [Robust Control and Analysis of a Towed Underwater Vehicle](), INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, **vol. 12**, p. 689, **1999**
- *Pollini Lorenzo Innocenti Mario*, [A Synthetic Environment for Dynamic Systems Control and Distributed Simulation](), IEEE CONTROL SYSTEMS MAGAZINE, num. 2, **vol. 20**, p. 49, **2000**
- *Giulietti Fabrizio Pollini Lorenzo Innocenti Mario*, [Autonomous Formation Flight](), IEEE CONTROL SYSTEMS MAGAZINE, num. 6, **vol. 20**, p. 34, **2000**
- *Davini Massimo Campa Giampiero Innocenti Mario*, [MVTOOLS Multivariable Tools](), INFO@TEORESI, num. Marzo, p. 13, **2000**
- *M.Innocenti, A.Balluchi, A.Balestrino*, [Modeling of Nonlinear Human Operator in the Control loop: Preliminary Results](), JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, num. 4, **vol. 23**, p. 736, **2000**
- *Del Gobbo, D., Napolitano, M., Famouri, P., Innocenti,*, [M., "Experimental Application of Extended Kalman Filtering for Sensor Validation"](), IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, num. 2, **vol. 9**, p. 376, **2001**
- *Innocenti, M.,*, [Nonlinear guidance tachniques for agile missiles](), CONTROL ENGINEERING PRACTICE, num. 9, p. 1131, **2001**
- *Pollini, L., Innocenti, M., Greco, L.*, [Stability Issues in Dual time Scale Systems](), AUTOMATICA, num. 2, **vol. 39**, p. 273, **2003**
- *Pollini, L., Giulietti, F., Innocenti, M.*, [Robustness to Communication Failures within Formation Flight](), American Control Conference, **vol. 1**, 107, Anchorage, Alaska, USA **2002**
- *Pollini, L.,Baralli, F., Innocenti, M.*, [Waypoint-based Fuzzy Guidance for Unmanned Aircraft - A New Approach](), AIAA Guidance, Navigation and Control Conference, **vol. 2**, 250, Monterey, California, USA **2002**
- *Pollini, L., Innocenti, M., Greco, L.*, ["Stability Issues in Dual time Scale Systems,"](), American Control Conference, **vol. 1**, 100, Anchorage, Alaska, USA **2002**

Landi Alberto

- *F. Paoletti, A. Landi, M. Innocenti*, [A CAD tool for limit cycle prediction in nonlinear systems](), IEEE TRANSACTIONS ON EDUCATION, num. 4, **vol. 39**, p. 505, **1996**
- *A.Balestrino, F.B.Verona, A.Landi*, [On-line process estimation by ANN and Smith controller design](), IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, num. 2, **vol. 145**, p. 231, **1998**
- *A.Balestrino, A.Landi, L.Sani, P.Toni*, [Reiezione dei disturbi in un laminatoio](), Automazione e Strumentazione, num. 10, **vol. 46**, p. 127, **1998**
- *O. Bruno, A. Landi, L. Sani*, [Harmonics reduction in DSC induction motors with two three-phase stator winding sets](), ELECTRIC MACHINES AND POWER SYSTEMS, num. 12, **vol. 27**, p. 1259, **1999**
- *A. Landi, L. Sani, F. Calabro*, [Convertitore di tipo Cuk a logica fuzzy](), Automazione e Strumentazione, num. 4, **vol. 48**, p. 101, **2000**
- *A. Balestrino, O. Bruno, A. Landi, L. Sani*, [Innovative solutions for overhead catenary-pantograph system: wire actuated control and observed contact force](), VEHICLE SYSTEM DYNAMICS, num. 2, **vol. 33**, p. 69, **2000**
- *O. Bruno, A. Landi, E. Mingozzi, M. Papi, L. Sani, A.G. Violi*, [La captazione di corrente e l'interazione pantografo-catenaria. I parte: metodologie delle misure per il controllo della qualità](), INGEGNERIA FERROVIARIA, num. 4, p. 149, **2000**
- *O. Bruno, A. Landi, E. Mingozzi, M. Papi, L. Sani, A.G. Violi*, [La captazione di corrente e l'interazione pantografo-catenaria. II parte: Metodologie innovative non invasive per il rilevamento della qualità della captazione nelle catenarie a 3 kV](), INGEGNERIA FERROVIARIA, num. 5, p. 233, **2000**
- *A.Balestrino, O.Bruno, A. Landi, M.Papi*, [La qualità della captazione nei sistemi di trasporto ad alta velocità](), Automazione e Strumentazione, num. 6, **vol. 48**, p. 117, **2000**
- *A. Balestrino, A. Landi, L. Sani*, [Parameter identification of continuous systems with multiple-input time delays via modulating functions](), IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, num. 1, **vol. 147**, p. 19, **2000**
- *A. Balestrino, A. Landi, L. Sani*, [Procedure automatiche di autosintonia per modelli Hammerstein-Wiener](), Automazione e Strumentazione, num. 3, **vol. 48**, p. 107, **2000**
- *O. Bruno, A. Landi, L. Sani*, [Stability improvement of round rotor synchronous machine by using a two-way parallel field winding](), ELECTRIC MACHINES AND POWER SYSTEMS, num. 3, **vol. 28**, p. 1259, **2000**
- *A.Balestrino, A.Landi, M. Ould Zmirli, L.Sani*, [Automatic non linear autotuning method for Hammerstein modelling of electrical drives](), IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, num. 3, **vol. 48**, p. 645, **2001**
- *O.Bruno, A.Landi, M.Papi, L.Sani*, [Phototube sensor for monitoring the quality of current collection on overhead electrified railways](), PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART F-JOURNAL OF, num. F3, **vol. 215**, p. 231, **2001**
- *A.Balestrino,A.Landi, L.Sani, A.Di Moia*, [SATV per l'autosintonia di regolatori PID](), Automazione e Strumentazione, num. 6, **vol. 49**, p. 107, **2001**
- *A.Balestrino A.Landi L.Sani*, [CUK Converter Global Control via Fuzzy Logic and Scaling Factors](), IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, num. 2, **vol. 38**, p. 406, **2002**
- *A.Balestrino, A.Landi, L.Sani*, [Complete root contours for circle criteria and relay autotune implementation](), IEEE CONTROL SYSTEMS MAGAZINE, num. 5, **vol. 22**, p. 82, **2002**
- *A. Balestrino, A. Landi*, [I controlli nel trasporto ferroviario ad alta velocità](), Automazione e Strumentazione, num. 3, p. 107, **2002**

Marcelloni Francesco

- *B. Lazzerini, F. Marcelloni, L.M. Reyneri*, [Beatrix: a self-learning system for off-line recognition of handwritten texts](), PATTERN RECOGNITION LETTERS, num. 6, **vol. 18**, p. 583, **1997**
- *B. Lazzerini, A. Maggiore, F. Marcelloni*, [Classification of odour samples from a multisensor array using a new linguistic fuzzy method](), ELECTRONICS LETTERS, num. 23, **vol. 34**, p. 2229, **1998**
- *B. Lazzerini, F. Marcelloni, L.M. Reyneri*, [Integrazione di tecniche neuronali e di analisi del contesto per il riconoscimento automatico del testo manoscritto](), Rivista di Informatica, num. 1, **vol. XXVIII**, p. 55, **1998**
- *G. Frosini, B. Lazzerini, F. Marcelloni*, [Performing automatic exams](), COMPUTERS & EDUCATION, num. 3, **vol. 31**, p. 281, **1998**
- *B. Lazzerini, F. Marcelloni*, [Assembly planning based on genetic algorithms](), International Journal of Knowledge-Based Intelligent Engineering Systems, num. 4, **vol. 3**, p. 200, **1999**
- *G. Dini, F. Failli, B. Lazzerini, F. Marcelloni*, [Generation of optimized assembly sequences using genetic algorithms](), Annals of the CIRP, num. 1, **vol. 48**, p. 17, **1999**
- *D. Dumitrescu, B. Lazzerini, F. Marcelloni*, [A fuzzy hierarchical classification system for olfactory signals](), PATTERN ANALYSIS AND APPLICATIONS, num. 4, **vol. 3**, p. 325, **2000**
- *B. Lazzerini, F. Marcelloni*, [A genetic algorithm for generating optimal assembly plans](), ARTIFICIAL INTELLIGENCE IN ENGINEERING, num. 4, **vol. 14**, p. 319, **2000**

- *B. Lazzerini, F. Marcelloni*, <u>A linguistic fuzzy recogniser of off-line handwritten characters</u>, PATTERN RECOGNITION LETTERS, num. 4, **vol. 21**, p. 319, **2000**
- *B. Lazzerini, F. Marcelloni*, <u>Counteracting drift of olfactory sensors by appropriately selecting features</u>, ELECTRONICS LETTERS, num. 6, **vol. 36**, p. 509, **2000**
- *M. Aksit, F. Marcelloni, B. Tekinerdogan*, <u>Developing object-oriented frameworks using domain models</u>, ACM COMPUTING SURVEYS, num. 1es, **vol. 32**, p. 1, **2000**
- *F. Marcelloni, M. Aksit*, <u>Improving object-oriented methods by using fuzzy logic</u>, ACM Applied Computing Review, num. 2, **vol. 8**, p. 14, **2000**
- *B. Lazzerini, F. Marcelloni*, <u>Reducing computation overhead in MISO fuzzy systems</u>, FUZZY SETS AND SYSTEMS, num. 3, **vol. 113**, p. 485, **2000**
- *B. Lazzerini, F. Marcelloni*, <u>Some considerations on input and output partitions to produce meaningful conclusions in fuzzy inference</u>, FUZZY SETS AND SYSTEMS, num. 2, **vol. 113**, p. 221, **2000**
- *B. Lazzerini, F. Marcelloni*, <u>A fuzzy approach to 2-D shape recognition</u>, IEEE TRANSACTIONS ON FUZZY SYSTEMS, num. 1, **vol. 9**, p. 5, **2001**
- *F. Di Francesco, B. Lazzerini, F. Marcelloni, G. Pioggia*, <u>An electronic nose for odour annoyance assessment</u>, ATMOSPHERIC ENVIRONMENT, num. 7, **vol. 35**, p. 1225, **2001**
- *M. Aksit, F. Marcelloni*, <u>Deferring elimination of design alternatives in object-oriented methods</u>, CONCURRENCY-PRACTICE AND EXPERIENCE, num. 14, **vol. 13**, p. 1, **2001**
- *B. Lazzerini, A. Maggiore, F. Marcelloni*, <u>FROS: a fuzzy logic-based recogniser of olfactory signals</u>, PATTERN RECOGNITION, num. 11, **vol. 34**, p. 2215, **2001**
- *F. Marcelloni, M. Aksit*, <u>Leaving Inconsistency Using Fuzzy Logic</u>, INFORMATION AND SOFTWARE TECHNOLOGY, num. 12, **vol. 43**, p. 725, **2001**
- *F. Marcelloni*, <u>Recognition of olfactory signals based on supervised fuzzy c-means and k-NN algorithms</u>, PATTERN RECOGNITION LETTERS, num. 9, **vol. 22**, p. 1007, **2001**
- *B.Lazzerini, F. Marcelloni*, <u>Classification based on Neural Similarity</u>, ELECTRONICS LETTERS, num. 5, **vol. 38**, p. 810, **2002**
- *Lazzerini B., Marcelloni F.*, <u>Feature Selection based on Similarity</u>, ELECTRONICS LETTERS, num. 3, **vol. 38**, p. 121, **2002**
- *P. Corsini, B. Lazzerini, F. Marcelloni*, <u>A Fuzzy Relational Clustering Algorithm based on a Dissimilarity Measure Extracted from Data</u>, IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, p. 1, **2003**
- *P. Corsini, B. Lazzerini, F. Marcelloni*, <u>Combining Supervised and Unsupervised Learning for Data Clustering</u>, NEURAL COMPUTING & APPLICATIONS, p. 1, **2003**
- *F. Marcelloni*, <u>Feature Selection based on a Modified Fuzzy C-means Algorithm with Supervision</u>, INFORMATION SCIENCES, **vol. 151**, p. 201, **2003**

Meozzi Mario

- *. Bassani, M. Meozzi*, <u>L'attrito e l'usura del PTFE e la micro-morfologia della superficie coniugata</u>, Tribologia e Lubrificazione, **vol. Anno XVII**, p. 2, **1983**
- *R. Bassani, M. Meozzi*, <u>Alcuni risultati sull'attrito e l'usura del PTFE puro e caricato</u>, Tribologia e Lubrificazione, **vol. Anno XIX**, p. 1, **1984**
- *R. Bassani, G. Cai, M. Meozzi*, <u>Rivestimenti anti-usura per le sedi di supporto degli assemblaggi-combustibile di reattori veloci</u>, L'industria meccanica, **vol. 392**, p. 107, **1985**
- *M. Meozzi*, <u>A simple coefficient for wear assessment</u>, WEAR, **vol. 189**, p. 77, **1995**
- *M. Meozzi*, <u>On the influence of kinematics in the performance of the pin-disc machine</u>, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF, num. 2, **vol. 214**, p. 201, **2000**
- *R.Bassani, G.Levita, M.Meozzi, G.Palla*, <u>Friction and wear of epoxy resin on inox stell: remarks on the influence of velocity, load and induced thermat state</u>, WEAR, **vol. 247**, p. 125, **2001**

Psaroudakis Panajotis

- *P. Psarudakis, L. Mariotti, G. Benelli*, <u>Sviluppo di una procedura di dimensionamento e di analisi termofluidodinamica di combustori per turbine a gas</u>, Convegno Nazionale, **vol. ***, 633, Genova **1996**.
- *P. Psaroudakis*, <u>Numerical Model for the Prediction of Erosion Effects of Blades Due to Foreign Objects</u>, NATO RTO Applied Vehicle technology Panel (AVT) Symposium on, **vol. ***, 28-1, Ottawa, Canada **1999**
- *P. Psaroudakis, L. Mariotti*, <u>Approccio alla progettazione dei combustori</u>, Dipartimento di Energetica - Università di pisa, **1996**

- *P. Psarudakis, L. Mariotti*, Aspetti generali relativi al disegno delle camere di combustione, Dipartimento di Energetica - Università di Pisa, **1996**
- *P. Psaroudakis*, Analisi sperimentale sul comportamento fluidodinamico di due schiere di pale di turbina, Dipartimento di Energetica - università di Pisa, **1998**

Santochi Marco

- *G.Dini, M.Santochi*, Use of neural networks in automated selection of technological parameters of cutting tools, Computer integrated manufacturing systems, num. 3, **vol. 9**, p. 137, **1996**
- *M.Santochi, G.Dini, G.Tantussi, M.Beghini*, A sensor integrated tool for cutting force monitoring, Annals of the CIRP, num. 1, **vol. 46**, p. 49, **1997**
- *M.Santochi, G.Dini*, Sensor technology in assembly systems, Annals of the CIRP, num. 2, **vol. 47**, p. 1, **1998**
- *M.Lanzetta, M.Santochi, G.Tantussi*, Computer aided visual inspection in assembly, Annals of the CIRP, num. 1, **vol. 48**, p. 13, **1999**
- *G. Dini, F. Failli, M. Santochi*, A disassembly planning software system for the optimization of recycling processes, PRODUCTION PLANNING & CONTROL, num. 1, **vol. 12**, p. 2, **2001**
- *G.Dini,F.Failli, L.Pecoraro, M.Santochi*, Modellazione con analisi agli elementi finiti delle deformazioni in strutture saldate, rivista italiana della saldatura, num. 5, **vol. 1**, p. 581, **2001**
- *Lanzetta, M.; Santochi, M.; Tantussi, G.*, On-line control of robotized Gas Metal Arc Welding, Annals of the CIRP, num. 1, **vol. 50**, p. 13, **2001**
- *Santochi,M.,Dini,G., Failli,F.*, Computer aided disassembly planning: state of the art and perspectives, Annals of the CIRP, num. 2, **vol. 51**, p. 507, **2002**

Zini Giancarlo

- *M.Ceraolo, R. Giglioli, G.Zini*, Previsione del carico di utenze medio-piccole mediante l'uso di reti neurali, GIE '99, **vol. 1**, 151, Salerno **1999**
- *S. Barsali, M. Ceraolo, R. Giglioli, G. Zini*, Experiences in the use of neural networks for short-term small-load forecasting, PMAPS 2002, 7th international conference on "Probabilistic Methods Applied to Power Systems", **vol. 1**, 303, Naples, Italy **2002**