

Curriculum vitae et studiorum

Pietro G. Morasso

Data di nascita: 30/4/1944; Luogo di nascita: ; Nazionalità ; . E.; W:
Posizione attuale: Senior Scientist, Istituto Italiano di Tecnologia, Dipartimento RBCS, Genova

Educazione

1963	Maturità Classica, cum laude - Liceo Classico A. D'Oria Genova
1968	Laurea in Ingegneria Elettronica, cum laude – Università di Genova, Italy (Tutor: Prof. G. Biorci)
1970-72	Post-doctoral fellowship, Dept. of Psychology, MIT, Cambridge, Mass. USA (Tutor: Prof. E. Bizzi)

Esperienza Accademica e Professionale

2010-	Senior Scientist, Istituto Italiano di Tecnologia, Dipartimento RBCS, Genova
1998-09	Presidente del Consiglio di Corsi di Studio in Ingegneria Biomedica, Università di Genova
1998-00	Coordinatore del Corso di Dottorato in Bioingegneria e Bioelettronica, Università di Genova
1991-97	Coordinatore del Corso di Dottorato in Robotica, Università di Genova consorziata con Scuola S. Anna di Pisa
1995-05	Direttore Scientifico, Centro di Bioingegneria, Ospedale La Colletta, Arenzano (GE)
1994	Research Fellow; Zentrum für Interdisziplinäre Forschung, University of Bielefeld, Germany
1987	Ordinario di Robotica Antropomorfa; DIST, Università di Genova
1983-87	Associato di Robotica Antropomorfa; DIST, Università di Genova
1978	Visiting Professor; Psychology Department M.I.T., Cambridge, Mass., USA.
1976-82	Incaricato stabilizzato di Identificazione e Simulazione; Istituto di Elettrotecnica, Università di Genova
1973-78	Research Associate; Psychology Department M.I.T., Cambridge, Mass., USA
1973-76	Incaricato di Introduzione ai Calcolatori Digitali; Istituto di Elettrotecnica, Università di Genova
1972-73	Incaricato di Elettrotecnica; Istituto di Elettrotecnica, Università di Genova
1970-72	Post Doctoral Fellow; Psychology Department M.I.T., Cambridge, Mass., USA.
1970-76	Assistente di Elettrotecnica, Istituto di Elettrotecnica, Università di Genova

Riconoscimenti / Premi

1968	Borsa di studio della Marconi Company Ltd, Chelmsford, UK, per la tesi di laurea
1973	Fullbright Fellowship per MIT, Cambridge, Mass., USA.
1978	NATO Fellowship per MIT, Cambridge, Mass., USA.
1984	Premio HUSPI (Honeywell Information Systems SpA and University of Pavia) per Applicazioni dell'Informatica ai Disabili.
1999	ZIF Fellowship, Bielefeld, Germany
2000	Commendatore repubblica italiana
2009	JSPS Fellowship Tokyo Japan

Partecipazione a Comitati Editoriali e di Verifica

Associate Editor	Human Movement Science
Associate Editor	Brain & Behavioral Sciences
Associate Editor	Signal Processing
Reviewer	National Science Foundation (USA)
Reviewer	Binational Science Foundation (USA-Israel)
Reviewer	The Human Frontier Science Program

Appartenenza ad Organizzazioni Scientifiche

IEEE
International Neural Network Society
International Federation of Medical and Biologica Engineering
International Graphonomics Society
European Society of Biomechanics
European Society of Neural Networks
Società Italiana Reti Neurali
Associazione Italiana per l'Intelligenza Artificiale
Società Italiana Robotica Industriale
Gruppo Nazionale di Bioingegneria

Brevetti

- Morasso, P., Zaccaria, R. (1995) DLPS© - Distributed Local Positioning Systems (Sistema di navigazione per robot mobili)

Participation to Research Projects (selection)

2011-15	EU FP7 Project DARWIN
2009-12	EU FP7 Project HUMOUR
2007	Contratto Fondazopne Don Gnocchi
2006-08	EU FP6 Project NEUROVERSITY
2006-07	PRIN 2005
2005	Contratto Fondazione Maugeri
2005-07	EU FP6 Project GNOSYS
2005-07	FIRB Schieppati
2005-06	FIRB Knaflitz
2003-05	FIRB Grattarola
2002-05	Contratto ASL Lucca
2002-03	PRIB 2001
2002-04	EU FP6 NEUROBIT
1999-00	MURST National coordinator: Project Bioengineering study of sensorimotor organization in postural stabilization
1996-99	ISS (Istituto Superiore di Sanità) Project for the prevention of the danger of falling in the elderly Prime contractor as Bioengineering Center.
1996-97	Aerospatile contract (under supervision of ESA) for a preliminary study of planning techniques for lunar landing.
1994-96	TIDE Project 1270: local responsible (MOVAID: Mobility and Activity assistance systems for the disabled) Prime contractor: Scuola Superiore S. Anna, Pisa.
1994-96	Bilateral Research Program (Italy-USA).
1993-95	Esprit II Basic Research Action 6975: local responsible (SPEECH-MAPS: Mapping of action and perception in speech) Prime Contractor ICP-INPG Grenoble.
1990-92	Esprit II Project 5204: local responsible (PAPYRUS: Pen and Paper Input Recognition Using Script) Prime Contractor Olivetti Systems & Networks SpA.
1990-92	Esprit Parallel Computing Action: project responsible (ROBIS: Robotic and Biological Systems).
1989-91	Esprit Basic Research Action 3274: local responsible (FIRST: Fundamentals of Intelligent Reliable robotS Technology) Prime Contractor: Engineering Sciences Department, University of Oxford, UK.
1989-91	National Research Council: local responsible in a National Project on Robotics.
1986-91	Ministry of Education: local responsible in a National Project on Rehabilitation Engineering.
1984-89	Esprit I Project 419: prime contract (IMU: Image and Movement Understanding).
1980-83	National Research Council, Center of Anthropomorphic Robotics: Director.
1978-80	Bilateral Research Program (Italy-USA).
1977-80	National Research Council: local responsible in a National Project on Biomedical Technologies.
1972-73	National Research Council: researcher in a Special Project on Biomedical Technologies

Pubblicazioni su rivista

1. Nomura T, Oshikawa S, Suzuki Y, Kiyono K (2012) Modeling human postural sway using an intermittent control and hemodynamic perturbation. *Mathematical Bioscience*, in press.
2. Shima K, Bu N, Tsuji T, Ishii I, Matsuda H, Orito K, Ikeda T, Noda S, Shimatani K, Giannoni P, Morasso P, Tsuji T (2012) A Markerless Infant Motion Analysis System Using Real-time Video Images. *IEEE Transactions on Biomedical Engineering*, in press.
3. Piovesan D, Morasso P, Giannoni P, Casadio M (2012) Arm Stiffness During Assisted Movement After Stroke. *IEEE Transactions on Neural Systems & Rehabilitation*, in press.
4. Suzuki Y, Nomura T, Casadio M, Morasso P (2012) Intermittent control with ankle, hip, and mixed strategies during quiet standing: A theoretical proposal based on a double inverted pendulum model. *J Theoretical Biology*, 301:55-79.
5. Masia L, Squeri V, Burdet E, Sandini G, Morasso P (2012) Wrist Coordination in a kinematically redundant stabilization task. *IEEE Trans on Haptics*, 5: 231-239.
6. Saha D, Morasso P (2012) Stabilization strategies for unstable dynamics. *PLOS One*, 7(1):e30301.
7. Mohan V, Morasso P (2011) Passive Motion Paradigm: an alternative to Optimal Control. *Frontiers in Neurorobotics*, Vol. 5, Art. 4, pp. 1-28.
8. Mohan V, Morasso P (2011) Can Passive Motion be used for Active Inference? Revisiting the Chicken or Egg dilemma. Comment to the article "What is optimal about Motor Control?" by Karl Friston, *Neuron*, Vol. 72, Issue 3, 488-498, 3 November 2011.
9. Mohan V, Morasso P, Metta G, Kasderidis S (2011) The distribution of rewards in growing sensory-motor maps. *Neurocomputing*, 74:3440-55.
10. Mohan V, Morasso P, Zenzeri J, Metta G, Chakravarthy VS, Sandini G (2011) Teaching a humanoid robot to draw 'Shapes'. *Autonomous Robots*, 31(1), 21-53.
11. Masia L, Frascarelli F, Morasso P, Di Rosa G, Castelli E, Cappa P (2011) Reduced short term adaptation to robot generated dynamic environment in children affected by congenital hemiparesis. *J of Neuroengineering and Rehabilitation*, 8:28.
12. Morasso P (2011) "Brute Force" vs. "Gentle Taps" in the control of unstable loads. *J Physiology (London)*, 589 (3) 459-460.
13. Casadio M, Giannoni P, Masia L, Morasso P, Sanguineti V, Squeri V, Vergaro E (2010) Consciousness as the emergent property of the interaction between brain, body, and environment: implications for robot-enhanced neuromotor rehabilitation. *Journal of Psychophysiology*, 24(2):125-130.
14. Vergaro E, Squeri V, Bricchetto G, Casadio M, Morasso P, Solaro C, Sanguineti V (2010) Adaptive robot training for the treatment of incoordination in multiple sclerosis. *J of Neuroengineering and Rehabilitation*, 7:37.
15. Squeri V, Masia L, Casadio M, Morasso P (2010) Force-field compensation in a manual tracking task. *PLoS ONE*, 5(6):e11189.
16. Vergaro E, Casadio M, Squeri V, Giannoni P, Morasso P, Sanguineti V (2010) Self-adaptive robot-training of stroke patients for continuous tracking movements. *J of NeuroEngineering and Rehabilitation*, 7:13.
17. Casadio M, Sanguineti V, Squeri V, Masia L, Morasso P (2010) Inter-limb interference during bimanual adaptation to dynamic environments. *Experimental Brain Research*, 202:693-707.
18. Morasso P, Casadio M, Mohan V, Zenzeri J (2010) A neural mechanism of synergy formation for whole body reaching. *Biol Cybern* 102:45-55.
19. Casadio M, Giannoni P, Masia L, Morasso P, Sandini G, Sanguineti V, Squeri V, Vergaro E (2009) Robot therapy of the upper limb in stroke patients: rational guidelines for the principled use of this technology. *Functional Neurology* 24:195-202.
20. Masia L, Casadio M, Giannoni P, Sandini G, Morasso P (2009) Performance adaptive training control strategy for recovering wrist movements in stroke patients: a preliminary, feasibility study. *J of NeuroEngineering and Rehabilitation*, 6(44):1-11.
21. Mohan V, Morasso P, Metta G, Sandini G (2009) A biomimetic, force-field based computational model for motion planning and bimanual coordination in humanoid robots. *Autonomous Robots*, 27:291-307.
22. Squeri V, Casadio M, Vergaro E, Giannoni P, Morasso P, Sanguineti V, (2009) Bilateral robot therapy based on haptics and reinforcement learning: feasibility study of a new concept for treatment of patients after stroke. *J Rehabilitation Medicine*, 41: 961-965.
23. Masia L, Casadio M, Sandini G, Morasso P (2009) Eye-head coordination during dynamic visuo-motor rotations. *PLoS ONE*, Volume 4, Issue 9, e7004.
24. Anwar MN, Bonzano L, Sebastiano DR, Roccatagliata L, Gualniera G, Vitali P, Ogliastro C, Spadavecchia L, Rodriguez G, Morasso P, Bandini F (2009) Real-time artifact filtering in continuous VEP/fMRI recording. *J of Neurosci Methods* 184:213-223.
25. Casadio M, Morasso P, Noriaki Ide A, Sanguineti V, Giannoni P (2009) Measuring functional recovery of hemiparetic subjects. *Measurement*, 42:1176-1187.
26. Asai Y, Tasaka Y, Nomura K, Nomura T, Casadio M, Morasso P (2009) A model of postural control in quiet standing: robust compensation of delay-Induced Instability using intermittent activation of feedback control. *PLoS One*, 4(7):e6169.

27. Casadio M, Morasso P, Sanguineti V, Giannoni P (2009) Minimally assistive robot training for proprioception-enhancement. *Experimental Brain Research*, 194, 219-231.
28. Casadio M, Giannoni P, Morasso P, Sanguineti V (2009) A proof of concept study for the integration of robot therapy with physiotherapy in the treatment of stroke patient. *Clinical Rehabilitation*, 23:217-228.
29. Bottaro A, Yasutake Y, Nomura T, Casadio M, Morasso P (2008) Bounded stability of the quiet standing posture: an intermittent control model. *Human Movement Science*, 27, 473-495.
30. Casadio M, Sanguineti V, Morasso P, Solaro C (2008) Abnormal sensorimotor control, but intact force field adaptation, in multiple sclerosis subjects with no clinical disability. *Multiple Sclerosis* 14: 330-342.
31. Casadio M, Sanguineti V, Solaro C, Morasso P (2007) A haptic robot reveals the adaptation capability of individuals with multiple sclerosis. *The Intl J of Robotics Research*, 26, 1225-1234.
32. Mohan V, Morasso P (2007) Towards reasoning and coordinating action in the mental space. *International Journal of Neural Systems*, 17, 4,1-13.
33. Solaro C, Bricchetto G, Casadio M, Roccatagliata L, Ruggiu P, Mancardi GL, Morasso PG, Tanganelli P, Sanguineti V (2007) Subtle upper limb impairment in asymptomatic multiple sclerosis subjects. *Multiple Sclerosis*, 13(3):428-32.
34. Casadio M, Morasso P, Sanguineti V, Arrichiello V (2006) Braccio di Ferro: a new haptic workstation for neuromotor rehabilitation. *Technol Health Care*, 14, 123-142.
35. Tanaka Y, Tsuji T, Sanguineti V, Morasso PG (2005) Bio-mimetic Trajectory Generation using a Neural Time-Base Generator, *Journal of Robotic Systems*, 22, 11, 625-637.
36. Jacono M, Baratto L, Simonini M, Morasso P (2005) Criteri per l'analisi di un campione di normalità in posturografia statica. *EUR MED PHYS* 2005;41(Suppl. 1 to No. 4):493-4.
37. Bottaro A, Casadio M, Marasso P, Sanguineti V (2005) Body sway in quiet standing: is it the residual chattering of an intermittent stabilization process? *Human Movement Science* 24, 588-615.
38. Morasso P, Bottaro A, Casadio M, Sanguineti V (2005) Preflexes and internal models in biomimetic robot systems. *Cognitive Processing*, 6, 1, 25-36.
39. Casadio M, Morasso P, Sanguineti V (2005) Direct measurement of ankle stiffness during quiet standing: implications for control modelling and clinical application. *Gait & Posture*, 21, 410-424.
40. Morasso P, Re C, Casadio M (2004) Spot check and recalibration of stabilometric platforms. *Technology and Health Care*, 12, 4, 293-304.
41. Jacono M, Casadio M, Morasso P, Sanguineti V (2004) The sway density curve and the underlying postural stabilization process. *Motor Control*, 8, 282-311.
42. Gareffa G, Carni M, Gualniera G, Ricci GB, Bozzao L, De Carli D, Morasso P, Pantano P, Colonnese C, Roma V, Maraviglia B (2003) Real-time MR artifacts filtering during continuous EEG/fMRI acquisition. *Magnetic Resonance Imaging* 21, 1175-1189.
43. Camurri A, Mazzarino B, Volpe G, Morasso P, Priano F, Re C (2003) Application of multimedia techniques in the physical rehabilitation of Parkinson's patients. *Journal of Visualization and Computer Animation*, 14, 269-278.
44. Sanguineti V, Morasso P, Baratto L, Bricchetto G, Mancardi GL, Solaro C (2003) Cerebellar ataxia: quantitative assessment and cybernetic interpretations. *Human Movement Science*, 22, 189-195.
45. Tsuji, T., Tanaka, Y., Morasso, P., Sanguineti, V., Kaneko, M. (2002) Bio-Mimetic Trajectory Generation of Robots via Artificial Potential Field with Time Base Generator. *IEEE Transactions on Systems, Man, and Cybernetics, Part C - Applications*, 88, 4, 426-439.
46. Morasso, P., Sanguineti, V. (2002) Ankle muscle stiffness alone cannot stabilize balance during quiet standing. *J. Neurophysiology*, 88,4,2157-62.
47. Baratto, L., Morasso, P. Re, C., Spada, G. (2002) A new look at posturographic analysis in the clinical context: sway-density vs. other parameterization techniques. *Motor Control*, 6, 248-273.
48. Baratto, L., Monteforte, P., Farinelli, M., Rovetta, G., Capra, R., Morasso, P. (2000) Sonographic examination in patients with osteoarthritis of the cervical spine reveals soft-tissues changes due to application with very low-power modulated laser. *Int. J. of Clinical Pharmacology*, XX,1-2, 13-16.
49. Morasso, P. (2000) Is schema theory an appropriate framework for modeling the organization of the brain? *Behavioral and Brain Sciences*, vol 23, 323-325.
50. Morasso, P., Spada, G., Capra, R. (2000) A new method for computing the trajectory of the center of mass from force platform data. *Gait & Posture*, 11, 124-125.
51. Morasso, P., Schieppati M. (1999) Can muscle stiffness alone stabilize upright standing? *J. Neurophysiology*, 82, 1622-26.
52. Morasso, P., Spada, G., Capra, R. (1999) Computing the COM from the COP in postural sway movements. *Human Movement Science*, 18, 759-767.
53. Morasso, P., Baratto, L., Capra, R., Spada, G. (1999) Internal models in the control of posture. *Neural Networks*, 12, 1173-80.
54. Morasso, P., Sanguineti, V., Frisone, F. (1999) Computational implications of modeling grasping as a form of (multiple-parallel) reaching. *Motor Control*, 3, 276-9.
55. Frisone, F., Vitali, P., Ianno', G., Marongiu, M., Morasso, P., Pilot, A., Rodriguez, G., Rosa, M., Sardanelli, F. (1999) Can the synchronization of cortical areas be evidenced by fMRI? *J. of Neurocomputing*, 26-27, 1019-24.

56. Sanguineti, V., Frisone, F., Bruni, S., Morasso, P. (1998) Can non-linear muscle dynamics explain the smoothness of handwriting movements, *Acta Psychologica*, 100, 217-227.
57. Frisone F, Morasso P, Perico L (1998) Self-organization in cortical maps and E-M learning. *J of Advanced Computational Intelligence*, 2 (6):178-184.
58. Morasso, P., Sanguineti, V., Frisone, F., Perico, L. (1998) Coordinate-free sensorimotor processing: computing with population codes. *Neural Networks*, 11, 1417-1428.
59. Morasso, P. and V. Sanguineti (1997) Learning tidal waves vs learning sensorimotor mappings. *Behavioral and Brain Sciences*, 20, 260-261.
60. Morasso, P. and V. Sanguineti (1997) Movement dynamics in speed accuracy trade-off. *Behavioral and Brain Sciences*, 20, 319.
61. Morasso, P., Sanguineti, V., Frisone (1997) Topologic organization of context fields for sensorimotor coordination. *Behavioral and Brain Sciences*, 21, 412-413.
62. Morasso, P., Sanguineti, V., Spada, G. (1997) A computational theory of targeting movements based on force fields and topology representing networks. *Neurocomputing*, 15, 414-434.
63. Sanguineti, V. and P. Morasso (1996) Modelli interni e rappresentazioni spaziali nel controllo motorio. *Sistemi Intelligenti*, 8, 1, 71-98.
64. Morasso, P. and V. Sanguineti (1996) Kinematic invariances and body schema, *Behavioral and Brain Sciences*, 18, 4, 769-770.
65. Morasso, P. and V. Sanguineti (1996) How the brain can discover the existence of external egocentric space. *Neurocomputing*, 12, 289-310.
66. Tsuji T, Ito K, Morasso P (1996) Neural Network Learning of Robot Arm Impedance in Operational Space. *IEEE Trans on Systems, Man, Cybernetics, Part B*, 26, 290-308.
67. Comaschi MA, Baratto L, Morasso P, Capra R, Spada G, Ubaldi P, Cavallo L, Carboni G, Pizzorni M, Marino MP, Salani C, Menozzi F (1996) Diagnostic and prognostic importance of stabilometric test in diabetic neuropathy. *Diabetologia*, 39: 985-985 Suppl. 1.
68. Morasso, P. and V. Sanguineti (1995) Self-organizing body-schema for motor planning. *J. Motor Behavior*, vol. 26, 131-148.
69. Tsuji, T., Morasso, P., Shigehashi, K., and M. Kaneko (1995) Motion Planning for Manipulators using Artificial Potential Field Approach that can Adjust Convergence Time of Generated Arm Trajectory. *Journal of the Robotics Society of Japan*, vol.13, no.3, 285-290.
70. Tsuji, T., Morasso, P., Goto, K. and K.Ito (1995) Human Hand Impedance Characteristics during Maintained Posture in Multi-Joint Arm Movements. *Biological Cybernetics*, vol. 72, 475-485.
71. Tsuji, P. Morasso, X. Yamanaka, M. Kaneko (1994) Feedback control of mobile robots with nonholonomic constraints using time base generator. *J. of the Robotic Society of Japan*, 12, 7, 1072-1078.
72. Morasso, P., Barberis, L. Pagliano, S., and D. Vergano (1993) Recognition Experiments of Cursive Dynamic Handwriting with Self-Organizing Networks. *Pattern Recognition*, 26, 3, 451,460.
73. Morasso, P. and V. Sanguineti (1993) Neurocomputing aspects in modelling cursive handwriting. *Acta Psychologica*, 82, 213-235.
74. Morasso, P. and V. Sanguineti (1992) Equilibrium-point and self-organization. *Behavioral and Brain Sciences*, 15, 781-782.
75. Morasso, P., D'Alessio, P., and V. Sanguineti (1992) Distributed models of motor control. *Functional Neurology*, 4, 23-30.
76. Morasso, P. (1992) Neural mechanisms of synergy formation. *Human Movement Science*, 11, 1/2, 169-180.
77. De Rossi, D., Suzuki, M., Osada, Y., and P. Morasso (1992) Pseudomuscular gel actuators for advanced robotics. *J. Intelligent Materials, Systems, and Structures*, 3, 75-95.
78. Mussa Ivaldi, F. A., Morasso, P., Zaccaria, R. (1988) Kinematic Networks. A Distributed Model for Representing and Regularizing Motor Redundancy. *Biological Cybernetics*, 60, 1-16.
79. Gaglio, S., Grattarola, A., Morasso, P., Massone, L. (1987) Structure and Texture in Shape Representation. *Journal of Intelligent Systems*, 1, 1-41.
80. Adorni, G., Gaglio, S., Massone, L., Morasso, P., Zaccaria, R. (1987) Representing Motor Skills. *Journal for the Integrated Study of Artificial Intelligence, Cognitive Science and Applied Epistemology*, 4, 47-71.
81. Gaglio, S., Morasso, P., Sandini, G., Tagliasco, V. (1984) Anthropomorphic features in artificial vision. *Journal of Theoretical Linguistics*, 11, 45-59.
82. Morasso, P., Tagliasco, V. (1983) Analysis of human movements: spatial localization with multiple perspective views. *Medical & Biological Engineering & Computing (Stevenhage)*, 21, 74-82.
83. Morasso, P., Mussa Ivaldi, F.A., Ruggiero, C. (1983) How a discontinuous mechanism can produce continuous patterns in trajectory formation and handwriting. *Acta Psychologica*, 54, 83-98.
84. Morasso, P. (1983) Coordination aspects of arm trajectory formation. *Human Movements Science*, 2, 197-210.
85. Morasso, P. (1983) Three-dimensional arm trajectories. *Biological Cybernetics*, 48, 187-194.
86. Benati, Morasso, P., Tagliasco, V. (1982) The inverse kinematic problem for anthropomorphic manipulator arms. *Transactions of the ASME Journal Dynamical Systems, Measurements, and Control*; 104, 110-113.
87. Morasso, P., Mussa Ivaldi F.A. (1982) Trajectory formation and handwriting: a computational model. *Biological Cybernetics*, 45, 131-142.

88. Abend, W.K., Bizzi, E., Morasso, P. (1982) Human arm trajectory formation. *Brain*, 105, 331-348.
89. Morasso, P. (1981) Spatial control of arm movements. *Experimental Brain Research*, 42, 223-227.
90. Benati, M., Morasso, P., Tagliasco, V., Zaccaria, R. (1980) Anthropomorphic robotics. I: representing mechanical complexity. II: analysis of manipulator dynamics and the output motor impedance. *Biological Cybernetics*, 38, 125-150.
91. Morasso, P., Penso, M., Suetta, G.P., Tagliasco, V. (1979) Towards standardization of communication and control systems for motor impaired people. *Medical & Biological Engineering & Computing (Stevenhage)*, 17, 481-489.
92. Bizzi, E., Dev, P., Morasso, P., Polit, A. (1978) Effect of load disturbances during centrally initiated movements. *Journal of Neurophysiology (Springfield)*, 41, 542-555.
93. Morasso, P., Sandini, G., Suetta, G.P., Tagliasco, V., Vernazza, T., Zaccaria, R. (1978) LOGOS: a microprocessor based device as a writing aid for the motor handicapped. *Medical & Biological Engineering & Computing (Stevenhage)*, 16, 309-316.
94. Bizzi, E., Dev, P., Morasso, P., Polit, A. (1977) Role of neck proprioceptors during visually triggered head movements. *Progress in Clinical Neurophysiology*, 4.
95. Morasso, P., Sandini, G., Tagliasco, V., Zaccaria, R. (1977) Control strategies in the eye-head system. *IEEE Transactions on Systems, Man, and Cybernetics, SMC-7*, 639-650.
96. Bizzi, E., Polit, A., Morasso, P. (1976) Mechanisms underlying recovery of final head position. *Journal of Neurophysiology (Springfield)*, 39, 435-444.
97. Polit, A., Bizzi, E., Morasso, P. (1975) Mechanisms of head movement termination during orientation. *Brain Theory Newsletter*, 1, 7-9.
98. Dichgans, J., Bizzi, E., Morasso, P., Tagliasco, V. (1974) The role of vestibular and neck afferents during eye-head coordination in the monkey. *Brain Research (Amsterdam)*, 71, 225-232.
99. Dichgans, J., Bizzi, E., Morasso, P., Tagliasco, V. (1973) Mechanisms underlying recovery of eye-head coordination following bilateral labyrinthectomy in monkeys. *Experimental Brain Research (Berlin)*, 18, 548-562.
100. Morasso, P., Bizzi, E., Dichgans, J. (1973) Adjustment of saccade characteristics during eye head movements. *Experimental Brain Research (Berlin)*, 16, 548-562.
101. Dichgans, J., Bizzi, E., Morasso, P., Tagliasco, V. (1973) Mechanisms of recovery of ocular tabilization during active eye head turning following bilateral labyrinthectomy. *Pflugers Archiv Physiologie (Berlin)*, 339, 77-78.
102. Bizzi, E., Kalil, R., Morasso, P. (1972) Two modes of active eye-head coordination in monkeys. *Brain Research (Amsterdam)*, 40, 45-48.
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Libri

1. Morasso P, Tagliasco V, editors (1984) *Eidologia Informatica: Immagini e Computer*. La Nuova Italia Scientifica, Roma.
2. Morasso P, Tagliasco V, editors (1986) *Human Movement Understanding*. Elsevier Science Publishers North Holland
3. Biondi E, Morasso P, Tagliasco V, editors (1991) *Neuroscienze e scienze dell'artificiale: dal neurone all'intelligenza*. Patron Editore, Bologna.
4. Morasso P, Masulli F, Schenone A, editors (1994) *Biomedical Applications of Neural Networks*. World Scientific Publishing Co, Singapore.
5. Marinario M, Morasso P, editors (1994) *International Conference on Artificial Neural Networks*. Springer-Verlag, London.
6. Biondi E, Emiliani PL, Morasso P, editors (1995) *Protesi ed Ausili per la Comunicazione*. Patron Editore, Bologna.
7. Morasso P, Sanguineti V, editors (1997) *Self-organization, Cortical Maps and Motor Control*. Elsevier Science Publ., Amsterdam.

Capitoli di libri

1. Sanguineti V., Casadio M., Masia L., Squeri V. & Morasso P. (2012) Robot-assisted neuro-rehabilitation, in "*Introduction to Neuroengineering*" (Metin Akay W.J. Dario Farina eds.), Chapter 26, John Wiley and IEEE, Piscataway, NJ, USA.
2. De Santis D, Mohan V, Morasso P, Zenzeri P (2012) Do humanoid robots need a body schema? A. Chella ed.: *Biologically Inspired Cognitive Architectures 2012, Advances in Intelligent Systems and Computing* 196, pp. 109-115, Springer Verlag Berlin Heidelberg.
3. Morasso P (2012) Towards an integrated approach to multimodal assistance of stroke patients based on the promotion of intentionality. In "*Converging Clinical and Engineering Research on Neurorehabilitation*" (José L. Pons, Diego Torricelli & Marta Pajaro editors), Springer, Series: Biosystems & Biorobotics, Series: Biosystems & Biorobotics, pp. 23-27. Springer Berlin Heidelberg.
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