

# Arturo Graziano Grappone *Curriculum* till August '09

## **Italian Professional Titles**

( [http://www.ordinemediciroma.it/OMWeb/Asp/C3\\_1B.asp?CodFisc=GRPRRG57H12E206D](http://www.ordinemediciroma.it/OMWeb/Asp/C3_1B.asp?CodFisc=GRPRRG57H12E206D) )

Laurea in Medicina e Chirurgia il 3/11/1981

Abilitazione alla professione medica il 30/11/1981

Specializzazione in Neurologia il 3/7/1986

Abilitazione alla Psicoterapia

## **Italian Job Service**

### Italian Medical IX level

1. *Assistente medico* in Psychiatry ex-USL RM/2 from Feb-5-90 to Feb-23-90
2. *Assistente medico* in Psychiatry ex-USL RM/34 from Aug-8-90 to Oct-31-90
3. *Assistente medico* in Psychiatry ex-USL RM/24 from Nov-1-1990 to Sep-30-93
4. *Assistente medico* in Psychiatry ex-USL RM/24 from Feb-1-1994 to Jul-31-1994

### Italian Medical Leadership

5. *Dirigente medico* in Psychiatry ex-USL RM/24, after ASL RM/G from Aug-1-1994 to Avr-5-2000
6. *Dirigente medico* in Internal Medicine ex-USL RM/24, after ASL RM/G from Avr-6-2000 to now  
( <http://win.aslromag.info/ospedali/monterotondo/medicina.asp> )

### Side Medical Activity

1. Monterotondo Hospital Neurologist Consultant from Jan-1-1991 till now
2. Monterotondo Hospital Elettroencefalografy Service member from Jan-1-1991 to Sept-30-1993
3. Monterotondo Hospital Neurology Ambulatory from Jan-1-97 to Dec-31-04
4. *Commissione per l'applicazione della Legge 104* membership from 1-06-2003 to 1-06-2005
5. Military Italian Red Cross (Catastrophe Medicine) membership from Jun-12-87
6. *Collegio Medico di Prima Istanza del C.M. C.R.I.* membership from Jan-1-1995 to Jan-1-2006

## **Suitability and Trainings**

### *Specialistic Suitability*

1. *Assistente medico* in Hemodialysis (ex-USL RM/2, 1988)
2. *Assistente medico* in Psychiatry (ex-USL RM/7, 1988)
3. *Assistente medico* in Psychiatry (ex-USL RM/29, 1989)
4. *Assistente medico* in Internal Medicine (ex-USL RM/32, 1989)
5. *Assistente medico* in Otorinolaringoiatry (ex-USL RM/10, 1989)

### *Relevant Theoretical Trainings*

1. *Psychiatry and Internal Medicine* Rome Hospital Medical School (1 year)

2. *Trans-cultural Psychiatry* Rome Hospital Medical School (1 year)
- 3-4. *Medical Psychology* Rome Hospital Medical School (2 years)
- 5-6. *Medical Psychology: Psychotherapeutic act* Rome Hospital Medical School (2 years)
7. *Clinical-Neuropathologic Correlations* Rome Hospital Medical School (1 year)
8. *Brain Istopathology* Rome Hospital Medical School (1 year)
9. *Officers Training* Military Italian Red Cross (Catastrophe Medicine) (1 year)
10. *Airplane Loading* Military Italian Air Force
11. *Topography* I.G.M.I. Firenze

#### *Relevant Practical Trainings*

1. U.C.S.C. Cardiology Institute “Clinical cardiology” 986-87 (1 year)
2. C.M. C.R.I “Medical Management” 2005 (1st semester)

#### **Research Activity**

##### *Scientific Research Awards*

01. CASYS ‘2000 Best Paper Award, by C.H.A.O.S, Liège (B), 2000  
([http://www.uqtr.ca/~antippa/Personnel/publications\\_folder/conferences\\_folder/conferences\\_program\\_folder/CASYS2000.html](http://www.uqtr.ca/~antippa/Personnel/publications_folder/conferences_folder/conferences_program_folder/CASYS2000.html))
02. I.I.A.S. Outstanding Scholarly Contribution Award, Baden-Baden (D), 2002
03. I.I.A.S. Outstanding Scholarly Contribution Award, Baden-Baden (D), 2004

##### *Chairmanships in International Congresses*

01. EURO XXI – *21st European Conference on Operational Research, Reykjavik, Iceland, July 2-5, 2006* – Session TB-21: *Anticipation and Optimization in Biosystems in stream Dynamical and Anticipatory Systems.*  
(<http://www.euro-online.org/euro21/display.php?page=slot&day=T&time=B&track=21>)
02. CASYS'07 – *8th International Conference CASYS'07, on Computing Anticipatory Systems*, HEC-ULg, Liège, Belgium, August 6-11, 2007 – SYMPOSIUM 7: *Biological and Medical Systems, Genetics, Evolution, Ecology, Environmental Models* – SESSION 7.3., Thursday August 9, 8:30-12:30, ROOM 126  
(<http://casys-07.skynetblogs.be/category/1133925/1/0-+CHAOS+-+CASYS>)

##### *Partnerships in International Scientific Review*

01. Editor-in-Chief of *Metalogicon*, an international review of pure and applied logic, of linguistic and of philosophy, from 1990.  
(<http://www.metalogicon.org/>)

##### *Memberships*

01. Ordine dei Medici di Roma e della Regione Lazio  
(<http://www.ordinemediciroma.it/>)
02. Rome Second University – Tivoli Didactic Pole – Bachelor in Physiotherapy  
([http://win.aslromag.info/strutture/polo.didattico.asp#Laurea\\_in\\_Fisioterapia](http://win.aslromag.info/strutture/polo.didattico.asp#Laurea_in_Fisioterapia))

03. European Operational Research Society *EURO*  
(<http://www.euro-online.org/>)
04. EURO working group *Computational Biology and Bioinformatics*  
(<http://euro-cbbm.ku.edu.tr/ProposalCBB.pdf>)
05. EURO working group for Continue Optimization *EUROPT*  
(<http://www.iam.metu.edu.tr/EUROPT/>)
06. Centre for Hyperincursion and Anticipation in Ordered Systems *CHAOS*  
(<http://www2.ulg.ac.be/mathgen/CHAOS/>)
07. International Institute for Advanced Studies in Informatics, Cybernetics, System Research, Education  
(<http://www.iias.edu/>)
08. Association for Symbolic Logic  
(<http://www.aslonline.org/index.htm>)

#### *Relations to International Congresses*

01. I.I.A.S. 1987: *The methods of the Cognitive Neuropsychology ...*
02. I.I.A.S. 1988: *Time, Modality, Psychoanalysis and Bivalent Logic.*
03. I.I.A.S. 1989: *Space-time Dynamics: Gedanken Experiments.*
04. I.I.A.S. 1990: *On the Number Formal Theory.*
05. I.I.A.S. 1992: *A Formal Theory to Represent in it All the Aristotle's Syllogisms.*  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.BB.1992.pdf>)
06. I.I.A.S. 1993: *Fractal and prevention of psychotical crisis.*
07. I.I.A.S. 1994: *On Sentence Calculus.*
08. I.I.A.S. 1995: *A Logistic Approach to Freud's and Matte Blanco's ...*
09. A.I.C. 1995: *A Formal Approach to Psychodynamics.*
10. I.I.A.S. 1996: *Physical Dimension Calculus and Psychodynamics.*
11. I.I.A.S. 1996: *Classical Logic and Metalogic as a Global ... (II part).*
12. I.I.A.S. 1997: *Cognitive neuropsychology: a Boolean Approach.*  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.BB.1997.pdf>)
13. I.I.A.S. 1997: *Deriving Tautologies Automatic Program ... (II part).*
14. C.H.A.O.S. 1997: *Genesis of the Rationality from 'Chaos.*
15. I.I.A.S. 1998: *Structural Equations in the Theory of a Set Inclusive Network: ...*
16. C.H.A.O.S. 1998: *Hyperincursive Nature of the  $\iota$ -operator.*
17. A.I.C. 1998: *Relativistic Psychodynamics.*
18. I.I.A.S. 1999: *Advantages of the Fuzzy Logic in Decision Democratic Processes ...*
19. C.H.A.O.S. 1999: *Decidability of the Formal Theories and Hyperincursivity theory.*
20. I.I.A.S. 2000: *Use of Dynamic Programming in the Management Problems of FAO.*  
I.I.A.S. 2000: *Prolegomena to a Hamiltonian Psychiatry.*
21. C.H.A.O.S. 2000: *Ideas on Hyperincursive Proof Theory.*
22. C.H.A.O.S. 2000: *A Syllogistic System Generated by the Aristotelian Approach and ...*
23. I.I.A.S. 2001: *Compatibility of Ethics and Economy in the Light of Lorentz' Equations.*  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.BB.2001.pdf>)
24. I.I.A.S. 2002: *Sentence Bi-Logic.*  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.BB.2002.pdf>)
25. I.I.A.S. 2003: *Ideas for Hamiltonian Psychiatry.*  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.BB.2003.pdf>)
26. C.H.A.O.S 2003: *Science Hyperincursive Integration.*

27. I.I.A.S. 2005: *Polyadic Logic - a New Calculus*.
28. C.H.A.O.S 2005: *Probability as Sentence Sets and its Incursive Calculus*.
29. I.I.A.S. 2006: *Natural Deduction in Predicative Calculus of First Order*.
30. I.I.A.S. 2006: *Prolegomena to the Use of Molecular Spatial Structures in Quantifier Calculus*.
31. I.I.A.S. 2007: *Logic of Systems with Big Numbers of Atomic Sentences*.
32. I.I.A.S. 2007: *NanoTube in Torus Form for Envisageable Nanocomputers*.
33. C.H.A.O.S 2007: *Quantum Physics and Matter Self-organizing*.
34. I.I.A.S. 2008: *On First Order Modal Predicative Calculus*.
35. I.I.A.S. 2008: *Experimental Philology of the Word "Cybernetics"*.
36. I.I.A.S. 2008: *Receptors and Drugs as Logic Formulas*.
37. I.A.A. Aosta 2009: *Assembly Level Anticipatory Programming in Space Missions*.
38. C.H.A.O.S 2009: *Dimension Calculus and Anticipatory Systems*.

#### *Published Papers*

01. *Temporal, Modal, Psychoanalytical Functors in the Bivalent Logic*  
 Metalogicon (1988) I, 2 pp 41-57  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1988.2.pdf>)
02. *Psychoanalysis and Gödel proof: Is the Self-representation the Common Base of ...*  
 Metalogicon (1989) II, 1 pp 33-59  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1989.1.pdf>)
03. *On D'Amelio's Logical Ratio and Rules: Consequences in Psychiatry*  
 Metalogicon (1989) II, 2 pp 73-93  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1989.2.pdf>)
04. *Bi-logic Nature of the Numeric Calcule*  
 Metalogicon (1990) III, 1 pp1-24  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1990.1.pdf>)
05. *Modal Sentence Logic Formulas as Abbreviation of Standard Sentence Logic Formulas*  
 Metalogicon (1990) III, 2 pp 83-100  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1990.2.pdf>)
06. *On the Number Formal Theory*  
 in  
 G. E. Lasker e T. Koizumi, *Advances in INFORMATION SYSTEMS RESEARCH*,  
 I.I.A.S., University of Windsor, Canada, 1991, pp 211-216
07. *On the Time Logic*  
 Metalogicon (1991) IV, 1 pp 43-68  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1991.1.pdf>)
08. *Psychosis as Self-organized Critical System*  
 in  
 G. E. Lasker, *RESEARCH-IN-PROGRESS*, vol. I,  
 I.I.A.S., University of Windsor, Canada, 1994, pp 33-37
09. *On Polyadic Connectives: A New Language*  
 Metalogicon (1994) VII, 1 pp 1-14  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1994.1.pdf>)
10. *A Formal Approach to Psychodynamics*  
 in  
 M. Ramaekers, *XIV International Congress on Cybernetics*,  
 Association Internationale de Cybernétique, Namur, Belgium, 1995, pp 1101-1105

11. *On Sentence Calculus*  
in  
G. E. Lasker, RESEARCH-IN-PROGRESS, vol. II,  
I.I.A.S., University of Windsor, Canada, 1995, pp 82-86
12. *Sentence Calculus and Fractals*  
Metalogicon (1995) VIII, 1 pp 1-10  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1995.1.pdf>)
13. *Many-valued Sentence Logics: Representation Problems in Standard Sentence Logic*  
Metalogicon (1995) VIII, 2 pp 65-72  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1995.2.pdf>)
14. *Classic Logic and Metalogic as a Global Dynamic System -Part Two-*  
in  
G. E. Lasker, ADVANCES in ARTIFICIAL INTELLIGENCE and ..., vol. III,  
I.I.A.S., University of Windsor, Canada, 1996, pp 56-58
15. *Physical Dimension Calculus and Psychodynamics*  
in  
G. E. Lasker, ADVANCES in ARTIFICIAL INTELLIGENCE and ..., vol. III,  
I.I.A.S., University of Windsor, Canada, 1996, pp 59-64
16. *Genesis of the Rationality from 'Chaos*  
International Journal of Computing Anticipatory Systems (1997) 1, pp 272-281
17. *Structural Equations in the Theory of a Set Inclusive Network: Highest Degree Theorem*  
in  
G. E. Lasker, ADVANCES in ARTIFICIAL INTELLIGENCE and ..., vol. V,  
I.I.A.S., University of Windsor, Canada, 1999, pp 78-82
18. *Relativistic Psychodynamics*  
in  
M. Ramaekers, XV International Congress on Cybernetics,  
Association Internationale de Cybernétique, Namur, Belgium, 1998  
(download: <http://cat.inist.fr/?aModele=afficheN&cpsid=1369050>)
19. *Advantages of Fuzzy Logic in Democratic Decision Processes and in Peace Research*  
in  
G. E. Lasker, CULTURE OF PEACE  
I.I.A.S. – U.N.E.S.C.O., University of Windsor, Canada, 1999, pp 191-196
20. *Hyperincursive Nature of the  $\iota$ -operator*  
in  
D. Dubois, COMPUTING ANTICIPATORY SYSTEMS CASYS '98 – Second International  
Conference – AIP CONFERENCE PROCEEDINGS 465, Woodbury, New York, 1999, pp 103-108  
(download: <http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=APCPCS000465000001000103000001&idtype=cvips&gifs=yes>)
21. *Vectorial Standard Sentence Logic*  
Metalogicon (1998) XI, 2 pp 73-80  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1998.2.pdf>)
22. *Anselm's Ontological Proof: Consequences in System Theory*  
Metalogicon (1999) XII, 1 pp 33-40  
(free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.1999.1.pdf>)
23. *Polyadic Predicate in Terms of Monadic Predicates*

- Metalogicon (1999) XII, 2 pp 73-80
24. *Standard Sentence Logic as Graph*  
 Metalogicon (2000) XIII, 1 pp 1-8  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.2000.1.pdf>)
25. *Decidability of Formal Theories and Hyperincursivity Theory*  
 in  
 D. Dubois, "COMPUTING ANTICIPATORY SYSTEMS CASYS '99 – Third International Conference – AIP CONFERENCE PROCEEDINGS 517, Melville, New York, 2000, pp 141-148  
 (download: <http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=APCPCS000517000001000141000001&idtype=cvips&gifs=yes>)
26. *Use of Dynamic Programming in the Management Problems of FAO*  
 in  
 G. E. Lasker, RESEARCH-IN-PROGRESS, vol. VIII, I.I.A.S., University of Windsor, Canada, 2000, pp 40-45
27. *Ideas on Hyperincursive Proof Theory*  
 Fourth International Conference CASYS 2000, Abstract Book, 12,1,4  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.LI.2000.pdf>)
28. *A Syllogistic System Generated by the Aristotelian Approach and the Modern Approach as ...*  
 in  
 D. Dubois, "COMPUTING ANTICIPATORY SYSTEMS CASYS 2000 – Fourth International conference – AIP CONFERENCE PROCEEDINGS 573, Melville, New York, 2001  
 (download: <http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=APCPCS000573000001000377000001&idtype=cvips&gifs=yes>)
29. *Prolegomena to a Hamiltonian Psychiatry*  
 in  
 G. E. Lasker, RESEARCH-IN-PROGRESS, vol. IX, I.I.A.S., University of Windsor, Canada, 2001, pp 37-42
30. *Galen's Logic for Medical Diagnosis after Malatesta's Review: a Development*  
 Metalogicon (2004) XVII, 1 pp 1-8  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.2004.1.pdf>)
31. *Probability as Sentence Sets and Its Incurive Calculus*  
 in  
 D. Dubois, "COMPUTING ANTICIPATORY SYSTEMS CASYS '05 – Seventh International Conference – AIP CONFERENCE PROCEEDINGS 839, Melville, New York, 2006
32. *Science Hyperincursive Integration*  
 International Journal of Computing Anticipatory Systems (2006), 17, pp 292-311
33. *Prolegomena to the Use of Molecular Spatial Structure in Quantifier Calculus*  
 in  
 G. Lasker and S. Santoli, Nanotechnology and Nanoscience, vol. II, I.I.A.S., University of Windsor, Canada, 2006, pp 25-30
34. *Polyadic Logic: a New Calculus*  
 in  
 G. E. Lasker and M. Malatesta, SYSTEMS RESEARCH AND COGNITION, vol. I, I.I.A.S., University of Windsor, Canada, 2007, pp 35-41
35. *Hyperincursive Proof Theory*  
 Metalogicon (2007) XX, 2 pp 67-82  
 (free download: <http://www.grappone.it/Arturo.Graziano.Grappone.ML.2007.2.pdf>)
36. *Doubts on Gödel's Incompleteness Theorems*

Scientific Inquiry, vol. 9, no. 1, June, 2008, pp. 51-60

(free download: <http://www.iigss.net/Scientific-Inquiry/June2008/7-grappone.pdf>)

37. *Quantum Physics and Matter Self-Organization*  
International Journal of Computing Anticipatory Systems (2006), 17, Vol 22, pp 3-13
38. *Assembly Level Anticipatory Programming in Space Missions.*  
Proceedings of the Sixth IAA Symposium on Realistic Near-Term Advanced Scientific Space Missions (2009), pp 85-90

### **University Teaching Activity**

(<http://win.aslromag.info/strutture/polo.didattico.asp>)

#### Rome Second University

1. DU Infermiere: *Neurologia*, 1997-1998, 1998-1999
2. Laurea in Scienze Infermieristiche: *Neurologia*, 2001-2002,
3. Laurea in Scienze Infermieristiche: *Odontostomatologia*, 2001-2002, 2002-2003
4. Laurea in Scienze Infermieristiche: *Neurochirurgia*, 2002-2003
5. DU Audiometrista: *Neurologia Pediatrica* 1998-1999, 1999-2000, 2000-2001
6. Laurea in Audiometria: *Neurologia Pediatrica* 2001-2002
7. Laurea in Fisioterapia: *Neuroanatomia*, 2004-2005
8. Laurea in Fisioterapia: *Neurofisiologia*, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009
9. Laurea in Fisioterapia: *Anatomia*, 2005-2006, 2006-2007
10. Laurea in Fisioterapia: *Psichiatria*, 2005-2006

#### Rome First University

1. Laurea in Scienze Infermieristiche: *Fisiatria*, 2003-2004, 2004-2005

#### Rome Hospital Medical School

(<http://www.smorrl.it/>)

1. *Neuromatematica clinica*, 1992-93