

Qualifications

[1984] **Degree in Philosophy (Master level):** four years program including 22 compulsory exams covering most branches of Philosophy. I got my degree in Philosophy of Science. In line with the Italian traditional university system (i.e. before the latest reforms) the master degree was conferred upon the discussion of a final dissertation (Thesis).

Title: "*Possible worlds and Probability: investigations on Leibniz inductive logic*" (vote 110/110 cum laude).

(Supervisor, Prof. Claudio Pizzi)

The dissertation dealt with the early history of the concept of probability, and the role that the last held in Leibniz's logic and metaphysics as well as the relevance of the Leibnizian reflections for the subsequent, modern programs of inductive logic. I carried out this task by analysing a large amount of texts or fragments that the philosopher wrote in an unsystematic way on this subject, and by placing a particular attention on the discussion occurring between Leibniz and Jakob Bernoulli and their collected letters .

[1986] Fellowship awarded by the Finnish Government, in the framework of international agreements among european countries: I spent one academic year at the Helsinki University where I followed higher level courses in Logic and Philosophy of Science.

[1991] **Degree at the Post graduate school in Mathematical Logic** (this was the first postgraduate program in Mathematical Logic introduced in Italy; later transformed in "**Ph.D. in Logic and Computer Sciences**")

I attended a three-years post-graduate School in Mathematical Logic, entailing a 2 years compulsory course program, and one year to spend in a specialist department abroad in a foreign university, supported by a grant of the University of Siena. In 1989 in the framework of the international exchange agreements of the school the School of Logic, I spent this academic year at the *Institut for Logic Language and Computation* of Dept. of Mathematics of the University of Amsterdam. I got also an European Fellowship "Erasmus", that I still spent part in Amsterdam and part at the Summer School in Logic at the University of Groningen

Faculty of Science, Dept. Of Mathematics, University of Siena, Italy (vote 40/40)

Dissertation title: "*Solution of a problem of D.Guaspari*"

(Supervisor, Prof. Franco Montagna)

This work contains the solution of a mathematical problem appeared in the Journal of Symbolic Logic, concerning the logic of provability and relative interpretability, and was written mostly during my stay in Amsterdam, at the Dept. Of Mathematics, under the direction and supervision of Prof. De Jongh.

[1997] **Ph.d degree in Philosophy of Mathematics:** Faculty of Arts, Dept. of Philosophy, University of Florence/Firenze, Italy.

Dissertation: "*The complexity of the Finite: logical investigations*".

(Supervisors, proff. *Andrea Cantini, Ettore Casari, Franco Montagna*)

This thesis concerned some recent developments of Finitism in foundations of Mathematics and the refinement of the notion of "effectiveness", in the light of the notion of "feasibility" (or polynomial time computability), introduced by theoretical computer-scientists. The second part dealt with a case study, namely the problem of the computational complexity of confluence algorithms (the "Church-Rosser property") in combinatory logic and lambda-calculus.

The candidates were not given a final degree mark, but a judgment of a national examination board. In relation to my doctorate thesis the doctoral examination board has released the following statement:

"The thesis was carried out on the basis of a large information, and shows an excellent command of the subject. During the discussion the candidate has proven his critical abilities and his preparation in Logic " Roma , 5 December 1997._

Present Position:

"Ricercatore" and Lecturing on Mathematical Logic

Since the Academic Year 1998-99 I give logic courses of all levels for various departments of the University of Siena, in particular for the department of my current afference