

## CURRICULUM VITAE

Until 1998

**PATRIZIA BONANZINGA**

born in Bolzano (Italy) April 27, 1954

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## STUDIES

- scientific High School Certificate of Education - Liceo Scientifico, Grosseto (Italy) 1974;
- degree in Mathematics at the University of Siena with an original thesis in logic: "The analysis of the main paradoxes and the different methods to overcome them", thesis supervisor Prof. Claudio Bernardi (April 1980);
- during her university years she developed a real passion for black and white photography. After graduating, she spent a very long period in Mexico.

## FOREIGN LANGUAGES

- excellent knowledge of English language, written and spoken;
- excellent knowledge of French language, written and spoken;
- good knowledge of the basics of Chinese language, written and spoken;
- basic knowledge of the Spanish language.

## FAMILY

married with Ferdinando Nelli Feroci, diplomat, with a son, Lorenzo, born in Boston (USA) on November 13, 1985.

## PROFESSIONAL ACTIVITIES

- 1976/'79, while at university: teacher of mathematics and physics in different high schools either public or private;
- 1979/'80, while at university: teacher of mathematics and physics at the "A. Manzoni" Institute of Siena;
- 1981/'83: professor of mathematics and physics at the scientific high school in Algiers (Algeria). She worked under a private law contract with AGIP, Milano, with responsibility for teaching coordination and personnel management;
- 1983/'84: participated in the project of Professional Training courses and she has carried out classroom activities for the acquisition of mathematical tools in Hardware, Software and Marketing courses.

- 1984/'85 : she has carried out professional training activities for SIP, at the Directorate General of via Flaminia, Rome, teacher in qualification courses for technical network assistants and connection of subscribers ;
- from November 1984 to March 1995: researcher at the "Fondazione Ugo Bordoni" (via Baldassarre Castiglione 59, 00142 Roma). She carries out research activities for the Division "Evolution of the Telecommunication Systems". She is the first researcher of the group "Mathematical Models for the Evolution of New Telecommunication System". Following the innovation theory, she develops mathematical models in unstable and uncertain contexts;
- 1985/'86: *visiting research* at the *Massachusetts Institute of Technology* di Cambridge, Massachusetts (USA);
- December 1990: at the "Fondazione Ugo Bordoni", member of the "Scenarios and Methods for the Strategic Planning". In this period, she works on technical classifications of the new telecommunication services, and on the analysis of the different roles played by the main actors from the supply side, the demand side, and the regulation side;
- 1991/'93: key person for the research project "An Economic Analysis of the Introduction of Satellite Services in a Telecommunication Network" developed for the Division of Telecommunications of ESA (European Space Agency, 8/10 Rue Mario-Nikis, 75015 Paris) as contracts n° 9853/92/F/RD (SC). In the light of new technologies for mobile satellite services and systems, the study has focused on different strategies for institutions involved in regulation of competition and industrial policies;
- June 1993: member of the technical Committee of the "International Telecommunication Society Conference";
- 1994/'95: key person for a new research project "Guidelines for an ESA Strategy in the Field of Mobile Satellite Services. A Case Study: The Satellite Digital Audio Broadcasting", for the Division of Telecommunications of ESA (European Space Agency, 8/10 Rue Mario-Nikis, 75015 Paris) as contracts n° 10772/94/F/RD (SC). Following the interpretative framework developed in the previous study, the research focused on strategies to support ARCHIMEDES, the ESA project for a European mobile satellite system;
- September 1995, she settles, with the family, in Beijing (China). During this period, she studies Chinese at Ji Mao Ta Xue university and carries out activities as photographer producing industrial and ethnographic reports;
- during her time in China she participated in the creation of Michel Culas' book "Grammaire de l'objet Chinois" (Ed. De l'Amateur, Paris 1997), making, among other things, the cover photograph; she also published some reportage that have appeared in European magazines; in those same years she begins her personal project entitle "The Road to Coal", in black and with, which will take place over the course of seven years;
- in the same period, she tries to follow the evolution of her projects in the telecommunications sector which are published in the book: Telecommunications and Socio-Economics Development; Elsevier Publishers, 1998, her latest scientific publication;

- back in 1998 with her family in Rome and begins her coming and going with China, which will last, among other trips, until 2010.

### TRAINING ACTIVITIES

- 1985/'86: Cambridge, MA (USA), she attends the following courses:  
Harvard University: "*Technology and Society*" Prof. Daniel Bell;  
"*Applied Econometrics*" Prof. Christopher Cavanagh;  
  
Massachusetts Institute of Technology:  
"*Discrete Choice Analysis: Theory and Application to Consumer Demand and Market Shares*" Prof. Ben-Akiva;
- May 1987, she attends the ISF '87 - The 7th International Symposium of Forecasting" Boston (USA);
- October 1990, she attends the course "Forecasting Technological Innovation" at the Joint Research Center - Ispra (I).

### PUBLICATIONS

P. Bonanzinga: "*Some Issues for an Econometric Study of the Demand for International Communications Services*"; rel. FUB 6B1287, Vol. FUB 1987;

P. Bonanzinga, L. Sabani, A. Tornambè: *Identificazione di un Processo di Diffusione: un Nuovo Metodo di Stima*; Ricerca Operativa nel Project Management, Franco Angeli 1987

P. Bonanzinga, L. Sabani, A. Tornambè: *A New Method for the Estimation of the Parameters in a Diffusion Process*; proceedings 10th IASTED International Symposium on "Robotics and Automation" - Lugano, pp 10-14, June 1987

P. Bonanzinga, C. Leporelli: *Dynamic Cooperative Supply Policies for the Diffusion of a New Telecommunication Service*, Telecommunications Costing in a Dynamic Environment by Bell Canada, Montreal 1989

P. Bonanzinga: *Classificazione dei Modelli di Diffusione di Innovazione*; rel. FUB 6B6689, vol. FUB 1989

P. Bonanzinga: *L'Offerta di Nuovi Servizi TLC: Opportunità Tecnologiche, Tipologia dei Servizi e Scelte Istituzionali* rel. FUB 6B5090, vol. FUB 1990

P. Bonanzinga, C. Leporelli: *Obiettivi e Modalità della Cooperazione tra Gestore di Rete e Fornitori di Servizi: i Rapporti Verticali di Fornitura* rel. FUB 6B4490, vol. FUB 1990

P. Bonanzinga, C. Leporelli: *Obiettivi e Modalità della Cooperazione nella Fornitura di Nuovi Servizi TLC: Attività Elementari e Organizzazione dell'Offerta* rel. FUB 6B6790, vol. FUB 1990

P. Bonanzinga, C. Leporelli, E. Nicolò: *The Diffusion of a New Telecommunication Service: Network Constraint and Service Quality in a Dynamic Interpretative Model*; "Technological Forecasting and Social Change" vol. 39 pp. 363-376, 1991

P. Bonanzinga, F. Castelli, C. Leporelli, F. Vatalaro: *An Economic Analysis of the Introduction of Satellite Services in a Telecommunication Network*, ESA Parigi, 1993

P. Bonanzinga, F. Castelli, C. Leporelli: *The Race to a Mobile Satellite Services*, in The Race to the European Eminence, Elsevier Science Publishers, 1994

P. Bonanzinga, B. Sapiro: *Guidelines for an ESA Strategy in the Field of Mobile Satellite Services. A Case Study: the Satellite Digital Audio Broadcasting*, ESTEC Noordwijk, 1995

P. Bonanzinga, B. Sapiro: *Strategic Alliances for the Provision of New Telecommunications Services: a Methodological Approach to a European Satellite System*, in *Telecommunications and Socio-Economic Development*, Elsevier Science Publishers, 1998

### PAPERS PRESENTED AT INTERNATIONAL CONGRESSES

P. Bonanzinga, C. Leporelli, E. Nicolò: *Network Constraint in a Disequilibrium Model for the Diffusion of New Telecommunications Services*, "7th ITS (International Telecommunication Society)" - MIT Cambridge, MA (USA), June-July 1988

P. Bonanzinga, C. Leporelli, E. Nicolò: *The Diffusion of a New Telecommunication Service: Cost Analysis and Allocation to Design Dynamic Supply Policies*, "BellCORE and Bell Canada Industry Forum" - San Diego, CA (USA), April 1989

P. Bonanzinga: *A Multilevel Adoption Model for the Diffusion of New Telecommunication Services*, "ENPW '90 (European Network Planning Workshop)" - Val d'Isère (F), March 1990

P. Bonanzinga: *Europe Facing Emerging Markets. A Case Study: the Mobile Satellite Services (MSS)*, 'M-Symposium on Mobile Communications' 45th Congress of the 'International Astronautical Federation', Jerusalem, Israel, October 1994

P. Bonanzinga, B. Sapiro: *Actor's Strategic Analysis for a European Satellite Digital Audio Broadcasting System*, 16th International Communications Satellite System Conference (ICSSC) - Washington D.C. (USA), February 1996

### INTERNATIONAL CONTRACTS

ESA/FUB n° 9853/92/F/RD (SC): *An Economic Analysis of the Introduction of Satellite Services in a Telecommunication Network*, final report ESA Paris, March 1993;

ESA/FUB n° 10772/94/F/RD (SC): *Guidelines for an ESA Strategy in the Field of Mobile Satellite Services. A Case Study: the Satellite Digital Audio Broadcasting*, final report ESTEC (Noordwijk, NH), March 1995.

### WEB PROJECTS

- coordination of various preliminary activities to project and design a web site: understanding the aims, development of content, information structure, navigability;
- realization of logical maps;
- design, project development, and realization of a web site;
- digital photography;

- 1999: creation of the Roma OnLineGuide web site. This contained an historical/tourist guide of Rome and was the result of an agreement between the STARS2 company and the Agency for the preparation of the Jubilee 2000;
- 2001: creation of the Eudifltalia web site. The Eudifltalia Association is an information Italian network among women. The web site was the result of a research project founded by the European Union within the NOW (New Opportunities for Women) projects;
- 2003: creation of the project for the Freesbee web site. This project was commissioned by the "Le Papesse" Museum of Contemporary Art of the city of Siena, and allowed to describe the contemporary art system of that period, which was put online for the first time.
- 2006: creation of the web site for the Annual Conference of the Management Engineering association. This web site was commissioned by the Department of Computer Science and Systems of the Faculty of Engineering of the "La Sapienza" University of Rome.

### START ACTIVITY AS PHOTOGRAPHER

Between 1995 and 1998, during the years spent with her family in Beijing, having developed a passion for photography since university, she decided to, finally, become a professional photographer. During that period, she worked on several projects related to China which resulted in exhibitions and publications.