GIOVANNI PISTONE
CURRICULUM VITÆ

EDUCATION

I earned my Laurea (Master) degree from Università di Torino (Italy) in 1969, and my Docteur de 3me cycle (PhD) degree from Universitè de Rennes (France) in 1975. I hold an undergraduate degree in Theology from the Facoltà Valdese di Teologia (Rome, Italy).

CAREER

1966-70: I have worked as mathematics teacher in various high schools and technical schools in Torino.

1971–1974: I obtained a grant from CNR and support from Politcnico di Torino to be graduate student at the University of Rennes (France) with professor Michèl Metivier, under whose direction I specialised in Stochastic Differential Equations.

1975–1979: After completion of my PhD I had various positions of postdoc and lecturer at the Engineering School (Politecnico) and the University of Torino.

1979–1983: I was assistant professor at Politecnico and University of Torino, and I spent one year as visiting assistant professor at the University of Nice (France).

1983–1986: I moved to Genova, where I was promoted associate professor.

1986–1990: In Genova I won a position of full professor of Probability and Mathematical Statistics. I served a Department Head in the years 1989-1990.

1991–2008: I moved back to Torino, where I was full professor of Probability and Mathematical Statistics until my retirement.

2009–current: I have a visiting research position at Collegio Carlo Alberto where I tutor and supervise graduate students.

RESEARCH

In Rennes I had the opportunity to be part of the early stages of the reseach in infinite dimensional stochastic differential equations. I gave various technical contributions, namely on Hilbert martingale integration, existence and continuity of solutions functional SDE with a monotone operator, gamma convergence of diffusions, stochastic ordinary differential equation.

In 1985 I moved to Mathematical Statistics and Industrial Statistics. With Carlo Sempi (Università del Salento, Lecce) we introduced the notion of differentiable manifold of probability densities modelled on Orlicz spaces, a subject now named non-parametric Information Geometry. With Henry

Wynn (London School of Economics) we applied Computational Commutative Algebra to the Design of Experiment, in parallel with the development of the area called now Algebraic Statistics. At Politecnico I was local coordinator of EU project in the area of Statistics applied to automotive industry (FIAT).

Some of my former Master and PhD students have currently an academic position in Italy: Roberto Fontana (Politecnico di Torino), Daniele Imparato (Università dell'Insubria), Fabio Rapallo (Università del Piemonte Orientale), Eva Riccomagno (Università di Genova), Paola Siri (Politecnico di Torino).

Currently I work in new developments of both Information Geometry and Algebraic Statistics. Quotations of recent publications are reported by Google Scholar at

> `http://scholar.google.com/citations?user=UvJIHu8AAAAJ`.

My current activity is documented on my personal home page at

> `http://www.giannidiorestino.it`.

Selected publications

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Franco Fagnola and Giovanni Pistone. *Primo semestre di probabilità: elettronica, informatica, telecomunicazioni.* CLUT, Torino, seconda edition, 1996. ISBN ISBN 88-7992-106-1.

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Giovanni Pistone, Eva Riccomagno, and Henry P. Wynn. Computational commutative algebra in discrete statistics. In Marlos A. G. Viana and Donald St. P. Richards, editors, *Algebraic Methods in Statistics and Probability*, volume 287 of *Contemporary Mathematics*, pages 267–282. American Mathematical Society, 2001b.

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