

## **GUIDO CONSONNI**

Date of birth: January 9, 1954

Place of birth: Milano (ITALY)

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### **Curriculum**

#### **Professional positions**

Professor of Statistics, University of Pavia, 1990 to present.

Associate Professor of Statistics, L.Bocconi University, Milan, 1987 to 1990.

Assistant Professor of Statistics, L.Bocconi University, Milan, 1980 to 1987.

Research Assistant in Statistics, L.Bocconi University, Milan, 1978 to 1980.

#### **Education**

L. Bocconi University, Laurea *summa cum laude* in Economic and Social Sciences (1978).

### **Visiting positions**

University of York, Toronto, Canada, February-May 2009  
University of Florida, September-December, 2008  
Université de Pau et des Pays de l'Adour, France, October-November, 2007  
University of Warwick, Coventry, England, October 2006  
University of York, Toronto, Canada, January 2006  
Université Paris Sud XI, Paris, France, November 2005  
Université de Pau et des Pays de l'Adour, Pau, France, September 2005  
Université Paris Dauphine, Paris, France, November 2004  
DIMACS, Rutgers University, NJ, USA, December 2003  
IIMAS, UNAM, Mexico City, Mexico, September 2002; February 2005  
DIMACS, Rutgers University, NJ, USA, January 2002  
CREST-INSEE, Paris, France, November 2001  
The Fields Institute, Toronto, Canada, October 1999  
University of Washington, Seattle, WA, USA, January-July 1996  
Carnegie Mellon University, Pittsburgh, PA, USA, June-December 1989  
University College London, London, England, October 1981-June 1983

### **Service to the profession**

Associate Editor: *Bayesian Analysis* (*International Soc. for Bayesian Analysis*; 2006: present), *Statistics Surveys* (*Institute of Mathematical Statistics and Bernoulli Soc.*; 2007:present), *Test* (*Spanish Soc. For Statistics and Operations Research*; 2005-2008).

Referee for: *Annals of Statistics*, *Biometrika*, *Journal of the American Statistical Association*, *Journal of the Royal Statistical Society B*, *Risk Analysis*, *Journal of Multivariate Analysis*, *Canadian Journal of Statistics*.

Project reviewer: *CIVR (Italy)*, *Israeli Science Foundation*, *National Science Foundation (USA)*, *European Commission (DG Research, Research Training Networks)*

### **Membership of professional organisations**

International Statistical Institute (elected); Royal Statistical Society; Bernoulli Society for Mathematical Statistics and Probability; Institute of Mathematical Statistics; American Statistical Association; International Statistical Institute; Società Italiana di Statistica.

### **Research grants**

2007-2009: national coordinator, PRIN-COFIN grant *Graphical models and moodels with latent classes with applications to education and health*.

2005-2007: national coordinator, PRIN-COFIN grant *Marginal models for categorical variables with application to causality*.

2003-2005: national coordinator, PRIN-COFIN grant *Bayesian networks and causal inference: methods and applications*.

2001-2003: national coordinator, PRIN-COFIN grant *Bayesian networks and graphical models: theoretical and computational developments for applications*

1998-2000: principal investigator, University of Pavia research grant *The statistical analysis of complex systems*

1998-1999: local coordinator, MIUR grants *Statistical models: probabilistic foundations and statistical procedures*  
1995-1996: principal investigator, CNR grants *Bayesian methods for pooling information coming from different sources*  
1996-1997; principal investigator, CNR grants *Comparing models for the Bayesian analysis of dependent data*

### **Research Networks**

1998-2002: *TMR Network Project on SpatialAnd Computational Statistics*  
1998-1999: *Highly Structured Stochastic Systems*.

### **Teaching**

Courses: Data analysis; Probability and Statistical Inference; Bayesian Statistics; Statistical Modeling; Applied Statistics.  
Member of the Faculty Board: PhD in Mathematics and Statistics, University of Pavia.

### **Academic positions**

Chairman: panel for the evaluation of scientific research, Faculty of Economics, University of Pavia

### **Miscellanea**

Co-director: Applied Bayesian Statistics School; 2004: present.

### **Fields of interest**

Bayesian statistics, prior distributions, model choice, graphical models.

### **Some recent and current research projects**

Non-local priors for model comparison  
Asymptotic risk of consistent model-selector estimators  
Priors and model choice for decomposable graphical models  
Priors for Bayesian model selection  
Intrinsic priors for hypothesis testing  
Testing Hardy-Weinberg equilibrium models  
Bayesian model selection of discrete graphical models  
Bayesian testing of marginal homogeneity  
Bayesian analysis of marginal models for contingency tables  
Compatible priors for Bayesian model determination  
Bayesian testing of multiple hypothesis with applications to educational assessment  
Algebraic Bayesian analysis of contingency tables  
Reference priors for discrete graphical models  
Row effects models for the analysis of categorical data.