

EDUCATION

Undergraduate degree in Mathematics, University of Florence, 1984.
PhD in Mathematics, University of Florence, 1990.

PROFESSIONAL EXPERIENCE

1990-1994 Assistant Professor of Numerical Analysis, Faculty of Sciences, University of Pisa
1994-1998 Assistant Professor of Numerical Analysis, Faculty of Engineering, University of Florence
1998-2002 Associate Professor, Faculty of Pharmacy, University of Turin
2002- Full Professor, Faculty of Sciences, University of Rome "Tor Vergata"

2005- Member of the PhD Committee in Mathematics, University of Rome "Tor Vergata"
2008- Member of the PhD Committee "MATEMATICA DEL CALCOLO: MODELLI, STRUTTURE, ALGORITMI ED APPLICAZIONI" University of INSUBRIA Varese-Como

2005-2010 Vice-Dean of Mathematical Studies, University of Rome "Tor Vergata"

TEACHING EXPERIENCE

Numerical Analysis, Probability and Statistics, Calculus

RESEARCH INTERESTS

Computer Aided Geometric Design (CAGD), Bivariate splines, Constrained Interpolation and Approximation, Geometric Modelling, Subdivision Schemes, Isogeometric Analysis

SELECTED SCIENTIFIC ACTIVITIES

Member of the project staff of several research projects funded by MIUR, CNR, GNCS (COFIN, FIRB)

Scientific Offices

2009-- Member Of the Scientific Committee of GNCS (National Group for Scientific Computation)
2009--2010 Vice Chair of SIAM Activity Group on Geometric Design
- Co-Chair (with L. Gori) of the section ``Approximation Theory'', XIX Congresso UMI, Bologna, 12-17/9/2011

Visiting Professor:

03-04/2008, Université ``J. Fourier ", Grenoble, France;
03/2007, Department of Mathematics, University of Strathclyde, Glasgow, UK
02/2007, Department of Mechanical and Aeronautical Engineering, University of California, Davis, California,
05/2004, Department of Computer Science, University of Oslo, (Norway)
03-04/2003 INSA Rennes, France
09/1998 Mathematics Department, Technion, Haifa (Israel)
01/1996 IMAG Lab, ``J. Fourier " University, Grenoble, France.
11/1994 Math Department, ``G. Merchatore " University, Duisburg, Germany.
03-04/1993 LANS--INSA Laboratory, Rennes, France

International collaborations:

Prof. O. Davydov, University of Strathclyde, UK
Prof. R.T. Farouki, University of California at Davis,
Prof. P. Kaklis , National Technical University of Athens,
Prof. T. Lyche, University of Oslo,
Prof. T.N.T. Goodman, University of Dundee,
Prof. M.-L. Mazure, Université ``J. Fourier ", Grenoble, France
Prof. P. Sablonniere, I.N.S.A., Rennes, France
Dr. H. Speleers, Leuven, Belgium

Member of the Organizing Committee of the following International Conferences:

Subdivision and Refinability, Certosa di Pontignano, Siena, 15--19/9/2011.
New Frontiers in CAGD- INdAM meeting, Bertinoro, 17--21/5/2010.
Subdivision and Refinability, Certosa di Pontignano, Siena, Italy, 1--4/5/2008.
Short Course on Applications of Classical Geometry in
Computer--Aided Design, Albuquerque, New Mexico, 6/11/1999.

International Workshop on Multivariate Approximation and Interpolation, Montecatini Terme, 27/9--3/10/1995.

Member of Scientific Committee of the following International Conferences:

Mathematical Methods for Curves and Surfaces, Oslo, Norvegia, 28/06--03/07/2012.
Seventh International Conference on Curves and Surfaces, Avignon, France, 24--30/06/2010.
Approximation Methods and Numerical Modellization in the Enviroments of Natural Resouces (M.A.M.E.R.N.), Granada, Spagna, 12--14 July 2007.
Sixth International Conference on Curves and Surfaces, Avignone, France, 29/06--5/07/2006.
Recent Progress in Spline and Wavelet Approximation, Roma, Italy 18--20/05/2006
Congres international sur les Methodes d'Approximation et Modelisation Numerique en Environnement et Ressources Naturelles(M.A.M.E.R.N.), Oujda, Marocco, 9--11/05/2005
Sixth SIAM Conference on Geometric Design, Albuquerque, New Mexico, 2--5/11/1999.

Invited Organizer of Minisimposia in International Conferences (most recent):

7--10/3/2010, Approximation Theory, San Antonio, USA,
Minisimposium Trends in Isogeometric Analysis and Modeling
26/6--1/7/2008, Mathematical Methods for Curves and Surfaces Toensberg, Norway, Minisimposium on Mathematical Tools for Constrained Representations in CAGD
4--8/3/2007, Approximation Theory, San Antonio, USA,
Minisimposium on CAGD/CAD Oriented Function Spaces and Bernstein like Representations

Invited speaker at numerous International conferences (most recent):

28/06--03/07/2012, Mathematical Methods for Curves and Surfaces, Oslo, Norvegia,
12--16/3/2012, Isogemetric Analysis and Applications, Linz, (Austria)
24--27/9/2011, Multivariate Approximation,Hagen (Germania)
20--24/6/2011, Conference on Geometry:Theory and Applications, Vorau (Austria)
13--17/6/2011, Applied Mathematics and Scientific Computing, Trogir (Croazia)
6--10/09/2010, Multivariate Approximation and Interpolation with Applications, Edinburgh, UK.
29/6--2/7/2010,Workshop on: "Non-Standard Numerical Methods for PDE's" Pavia, Italy.
14--18/09/2009, Sixth Conference on Applied Mathematics and Scientific Computing, Zadar, Croatia
15--19/09/2008, SIMAI: Minisimposium on IsoGeometric Analysis, Roma, Italy,
4--8/3/2007, Approximation Theory: Minisimposium on Hermite Subdivision, San Antonio, USA
25--26/11/2005, Radial Basis Functions and Beyond: from Meshless Methods to Kernel Learning. Goettingen, Germany
18--22/07/2005, Algorithms for Approximation V, Chester, U.K.
30/6--9/7/2005,Foundations of Computational Mathematics: Workshop on Geometric Modelling and Animation. Santander, Spain
29/5--3/06/2005, Geometric Modeling. Dagstuhl, Germany
13--17/10/2004, Multivariate Approximation and Interpolation with Applications. Hohenheim, Germany
17--19/11/2003, Third China-Italy Joint Conference on Computational and Applied Mathematics. Grado, Italy
3--8/7/2003, International conference WAVELETS AND SPLINES. St. Petersburg, Russia
10--13/2/2003, Applied Mathematics and Applications of Mathematics, Nice, France
12--17/5/2002, Geometric Modeling. Dagstuhl, Germany
10--14/9/2001, Conference on Multivariate Approximation and Interpolation with Applications in CAGD. Almunecar, Spain
29/6--4/7/2000, Mathematical Methods for Curves and Surfaces. Oslo, Norway
2--5/5/2000, Modelisation Geometrique et Approximation. Luminy, France
7--11/9/1998, Multivariate Approximation and Interpolation with Applications in CAGD, Signal and Image processing. Eilat, Israel
11--17/5/1997, Numerische Methoden der Approximationstheorie. Oberwolfach, Germany

Guest Editor

CAGD (25) 2008: special issue on Pythagorean-hodograph curves and related topics (Rida Farouki, Bert Juttler and Carla Manni eds.)

J. COMPUTATIONAL and APPLIED MATH. (221) 2008: special issue on Recent Progress in Spline and Wavelet Approximation (Laura Gori, Carla Manni, and ELisabetta Santi eds.)

CAGD 2012 (in progress): special issue on Recent Advances in Applied Geometry (Bert Juttler, Carla Manni and Otto Roeschel eds.)

Referee of several International Journals

For the complete list of publications see
<http://www.mat.uniroma2.it/~manni/pubblica.pdf>