

CURRICULUM VITAE

PERSONAL DATA

GIVEN NAME: **FEDERICO MARIO GIOVANNI**
FAMILY NAME: **VEGNI**
DATE OF BIRTH: 17 May 1969
PLACE OF RESIDENCE: Milano I-20136
ITALIAN TAX CODE: VGNFRC69E17F205V
PHONE:

Educational Qualifications

April 1996	Degree in Electronic Engineering, full marks with honours, Polytechnic University of Milan*.
May 1996	Qualification as a professional engineer.
June 1999	Postgraduate course in “Management of Technology”, University of Milan.
December 2000	PhD in Mathematics, University of Milan (XII Cycle) [†] . Unanimously judged to be excellent by the board.

Academic career

2001-2002	Mat05 research grant, University of Brescia.
2003-2004	Post PhD Mat05-Mat07 scholarship, University of Brescia.
From 2003 to now	Untenured lecturer, Polytechnic University of Milan [‡]
From 2006 to now	Untenured lecturer, Bocconi University [§]

* Dissertation: “Studio di equazioni iperboliche non lineari e dei relativi attrattori” (study on nonlinear hyperbolic equations and their attractors), winner of the *Fondazione Don Bartolomeo Grazioli, Istituto Lombardo Accademia di Scienze e Lettere* prize for best degree dissertation.

[†] Dissertation: “Conserved phase-field models with memory in history spaces”.

[‡] COURSES: Mathematical Analysis I and II, Rudiments of Mathematical Analysis A for Geometry, Mathematical Analysis B, Ordinary Differential Equations, Integration of Analysis and Geometry, Complementary Mathematical Analysis B.

[§] COURSES: General Mathematics, Applied and Financial Mathematics, Advanced Mathematics for Economics and Social Sciences.

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MATITA is an app for iPhone and iPad that gives university mathematics lectures, through videos, video exercises, traditional exercises, educational material and a special glossary of terms related to the topic. MATITA is available from the **AppStore** in Italian and English.

Author, initiator, writer, and app team coordinator.

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Author:

A primer on PDE's, 2012, Springer Verlag - ISBN 10: 8847028612 - ISBN 13: 978884702861

Invito alle equazioni a derivate parziali, 2009, Springer Verlag - ISBN 10: 8847011795 - ISBN 13: 9788847011793

Foreign Languages: French: excellent; English: excellent.

Scientific editing:

Scientific editor for the translation of E. Strang's book *Linear Algebra*, published by Apogeo

Person in charge of the design, material and technical implementation of the Online *Preparatory Course for Advanced Mathematics* for the Bocconi University, Milan, on the University web portal since September 2010.

Translations:

From English: *Calculus* by J. Stewart, published in Italy by Apogeo.

Into English: *Dynamical Model and Optimal Control. A Friendly Introduction* by S. Salsa and A. Squellati, for EGEA.

CPD midway between theatre and mathematics

Facilitator of the "**Acting in front of the camera**" workshop for associate and ordinary professors at the Bocconi University as part of the Teaching Excellence Programme (TEP) provided by SDA Bocconi (in English). January 2016.

Trainer on refresher courses on mathematics teaching for secondary school teachers, together with Susanna Terracini (University of Milano-Bicocca): "Insegnare la matematica alle superiori" (teaching mathematics at secondary school), Soverato 1-2 April 2004

Facilitator of workshops for undergraduate students at the Faculty of Systems Engineering, Polytechnic University of Milan: "How to: scrivere una tesi di laurea" ("how to write a dissertation", March 2005, April 2006 and June 2006

TEACHING EXPERIENCE

Courses as an untenured lecturer at the Bocconi University, Milan:

Courses during the 2017/2018 academic year, in English

General Mathematics - Module 1, BIEM

Applied Mathematics - Module 2, BIEM

Mathematics - Preparatory Course

Advanced Mathematics For Economics and Social Sciences, MASTER ESS

Mathematics - Preparatory Course for Graduate Students

Courses during previous academic years since 2006, in Italian

Mathematics, CLES Year 1

Applied Mathematics - Module 2, CLEAM and BIEM Year 1

Advanced Mathematics For Economics and Social Sciences, LS DES ESS

Mathematics - Preparatory Course

Courses during previous academic years since 2006, in English

General Mathematics - Module 1 (large class), BIEM, BIEMF and CLEF Year 1

Mathematics Module 1 – General (repeat students), BIEM and BIEMF Year 1

Advanced Mathematics for Economics and Social Sciences, LS DES ESS

Mathematics - Preparatory Courses for Undergraduate and Graduate

Courses as an untenured lecturer at the Polytechnic University of Milan:

Courses during the 2017/2018 academic year

Mathematical Analysis 1, Electronic Engineering Year 1

Mathematical Analysis and Geometry 1, Aerospace, Energy and Mechanical Engineering Year 1

Mathematical Analysis and Geometry 2, Aerospace, Energy and Mechanical Engineering Year 1

Courses during previous academic years since 2003

Mathematical Analysis 1, Electronic Engineering Year 1

Mathematical Analysis and Geometry 1, Chemical, Electrical, Material and Nanotechnology Engineering Year 1

Mathematical Analysis 1, Computer Science and Engineering Year 1

Mathematical Analysis and Geometry 2, Aerospace, Energy and Mechanical Engineering Year 1

Mathematical Analysis 2, Electronic Engineering, Computer Science and Engineering Year 1

Ordinary Differential Equations, Computer Science and Engineering Year 2

Rudiments of Mathematical Analysis A and Geometry, Aerospace Engineering Year 1

Mathematical Analysis B, Aerospace Engineering Year 1

Mathematical Analysis B, Computer Science and Engineering Year 1 (Live course for on-line degree)

Mathematical Analysis B, Management Engineering Year 1

Integration of Analysis and Geometry 2, Aerospace Engineering Year 2

Complementary Mathematical Analysis B, Management Engineering Year 2

Courses as an untenured lecturer at Opera Prison for the Bocconi University, Milan:

Courses of General and Financial Mathematics for detainees.

Training courses, lessons and one-to-one tutoring.

Courses as a teaching assistant and teacher at the University of Bergamo:

Teaching Assistant for courses on Analysis and Geometry.

Teacher of preparatory mathematics courses.