Maria-Laura Torrente

Associate professor STAT-04/A – Metodi matematici dell'economia e delle scienze attuariali e finanziarie

EDUCATION AND TRAINING

March 30, 2018
National scientific habilitation
Position of associate professor – valid until March 30, 2030
Academic recruitment field 01/A2 Geometria e Algebra

February 18, 2009
Diploma di Perfezionamento in Matematica per le Tecnologie Industriali
Pursuant to Law No. 308 of June 18, 1986, the Diploma di Perfezionamento awarded by the Scuola Normale Superiore di Pisa is fully equivalent to the Ph.D. degree established by Presidential Decree No. 382 of July 11, 1980, and awarded by Italian universities.
Thesis title: "Applications of Algebra in the Oil Industry" – Final grade 70/70 cum Laude
Scuola Normale Superiore di Pisa

June 10, 2004
Laurea (pre-reform degree) in Mathematics
Thesis title: "Decomposizione di algebre" – Final grade 110/110 cum Laude
Università di Pisa

PROFESSIONAL HISTORY

Dec 1, 2021 – Nov 30, 2024
Tenure-track Researcher (RTDB) – SECS-S/06 Mathematical Methods for Economics, Actuarial and Financial Sciences
Department of Economics – University of Genova

Apr 3, 2018 – Jul 3, 2021
Postdoctoral Research Fellow – SECS-S/06 Mathematical Methods for Economics, Actuarial and Financial Sciences
Research project: *Mathematical modeling for decision-making*
Department of Economics – University of Genova

Nov 2, 2015- Mar 31, 2018
Postdoctoral Research Fellow
Research project: *Development of methods and algorithms for exploration, classification and analysis of 3D shape collections using similarity evaluations (shape, semantics, context), applied in domains with high shape variability (e.g., environment, cultural heritage, medical diagnostics)*
CNR – IMATI, Genova

Nov 15, 2014 – May 15, 2015
Collaborative Research Contract – SECS-S/06 Mathematical Methods for Economics, Actuarial and Financial Sciences
Research project: *Algebraic-geometric methods for curve recognition in images*
Department of Mathematics – University of Genova

Dec 3, 2012 – Dec 2, 2013
Postdoctoral Research Fellow – MAT/02 Algebra
Research project: *Rational curves and applications to image recognition*
Department of Mathematics – University of Genova

Jan 3, 2011 – Jul 23, 2012
Postdoctoral Research Fellow – MAT/02 Algebra
Research project: *Applications of algebra to industrial problems*
Department of Mathematics – University of Genova

Jun 1, 2010 – Dec 31, 2010
Research Grant – MAT/02 Algebra
Research project: *Hybrid symbolic-numeric methods in computational algebra*
Department of Mathematics – University of Genova

Jun 1, 2009 – May 31, 2010
Postdoctoral Research Fellow – MAT/02 Algebra
Research project: *Hybrid methods in computational algebra*
Department of Mathematics – University of Genova

May 1, 2008 – Oct 31, 2008
PhD Internship
Shell International Exploration & Production Research Center, EPT-RXX Department, Rijswijk, The Netherlands

Mar 1, 2007 – Aug 31, 2007
Traineeship
Shell International Exploration & Production Research Center, EPT-RXX Department, Rijswijk, The Netherlands

ACADEMIC APPOINTMENTS

Nov 1, 2021 - Present
Member of the Department Board
Department of Economics
University of Genova

Academic Years 2022-2023 and 2023-2024
Member of the Faculty Board – PhD Program in Economics and Quantitative Methods
Department of Economics
University of Genova

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Member of the Faculty Board – PhD Program in Economics and Political Economy
Department of Economics
University of Genova

EXPERIENCE

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

Since 2023 Editorial Board Member (Academic Editor) of the journal *PLOS ONE*
Section: Mathematics – Applied Mathematics

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