

CURRICULUM VITAE

Davide La Torre

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Professore Aggiunto al Dipartimento di Matematica e Statistica della University of Guelph (Canada) e alla Scuola per il Commercio e l'Amministrazione della Laurentian University (Canada).



Ha conseguito la Laurea in Matematica (1997, 110 cum laude) e il Dottorato di Ricerca in Matematica Computazionale e Ricerca Operativa (2001) all'Università degli Studi di Milano. E' attualmente Professore Associato Confermato di Matematica Applicata al Dipartimento di Scienze Economiche, Aziendali e Statistiche della Università di Milano, Professore Aggiunto al Dipartimento di Matematica e Statistica della University of Guelph (Canada) e alla Scuola per il Commercio e l'Amministrazione della Laurentian University (Canada).

E' stato Visiting Professor al Department of Applied Mathematics della University of Waterloo (Ontario, Canada), al Department of Mathematics della Australian National University (Canberra, Australia), al Department of Mathematics and Statistics della University of Guelph (Ontario, Canada), al Department of Probability and Mathematical Statistics della Charles University (Prague, CZ), al Department of Mathematics and Statistics della Acadia University (Nova Scotia, Canada), alla School of Commerce and Administration della Laurentian University (Sudbury, Canada) e al Department of Economics and Related Studies della University of York (York, UK).

Svolge attività didattica per la Libera Università di Bolzano. Nel passato ha insegnato presso la Laurentian University, la University of York, il Politecnico di Milano e l'Università Bocconi. È stato anche coordinatore del Master in Marketing Intelligence & Data Analysis e della Laurea Magistrale in Economia e Finanza Internazionale dell'Università di Milano.

I suoi principali articoli sono stati pubblicati in: SIAM Journal on Imaging Science, Journal of Mathematical Analysis and Applications, Journal of Computational and Applied Mathematics, Nonlinear Analysis: Theory, methods and applications, Nonlinear Analysis: Real World Applications, Applied Mathematics Letters. E' Associate Editor-in-Chief dell' International Journal of Image Processing, Associate Editor dell' International Journal of Tomography & Statistics e Editorial Member dell' International Journal of Optimization: Theory, Methods and Applications. Nel passato e' stato Associate Editor dell' Australian Journal of Mathematical Analysis and Applications.

Le sue principali e più recenti pubblicazioni sono

- **A generalized collage method based upon the Lax–Milgram functional for solving boundary value inverse problems** (2009) - *in press* - Nonlinear Analysis: Theory, Methods & Applications (with H.Kunze and E.R.Vrscay)
- **A generalized fractal transform for measure-valued images** (2009) - *in press*. - Nonlinear Analysis: Theory, Methods & Applications (with E.R.Vrscay)
- **Inverse problems for random differential equations using the collage method for random contraction mappings** (2009) - 223, 2, 853-861 - Journal of Computational and Applied Mathematics (with H.Kunze and E.R.Vrscay)
- **Measure-Valued Images, Associated Fractal Transforms, and the Affine Self-Similarity of Images** (2009) - 2, 2, 470-507 - SIAM Journal on Imaging Sciences (with E.R.Vrscay, M.Ebrahimi, M.Barnsley)
- **Parametric estimation for deterministic and stochastic differential equations using the "collage method" for fixed point equations** (2009) - *Advances in nonlinear analysis theory methods and applications (S.Sivasundaram ed.)* - Cambridge University Publisher (with V.Capasso, H.Kunze and E.R.Vrscay)
- **Population and economic growth with human and physical capital investments** (2009) - 56, 1, 17-27 - International Review of Economics (with A.Bucci)
- **Union-additive multimeasures and self-similarity** (2009) - 7, 2, 51-61 - Communications in Mathematical Analysis (with F.Mendivil)
- **From iterated function systems to iterated multifunction systems** (2008) - 15, 4, 1-13 - Communications on Applied Nonlinear Analysis (with H.Kunze and E.R.Vrscay)
- **Iterated function systems on multifunctions and inverse problems** (2008) - 340, 2, 1469--1479 - Journal of Mathematical Analysis and Applications (with F.Mendivil)
- **Contractive multifunctions, fixed point inclusions and iterated multifunction systems** (2007) - 330, 1, 159--173. - Journal of Mathematical Analysis and Applications (with H.Kunze and E.R.Vrscay)
- **Random fixed point equations and inverse problems using collage method" for contraction mappings** (2007) - 334, 2, 1116--1129. - Journal of Mathematical Analysis and Applications (with H.Kunze and E.R.Vrscay)
- **IFSM representation of Brownian motion with applications to simulations** (2006) - *Math Everywhere: Deterministic and Stochastic Modeling in Biomedicine, Economics and Industry (G.Aletti and others eds.)* - Springer, 115-124 (with S.M.Iacus)
- **Iterated function systems on multifunctions** (2006) - *Math Everywhere: Deterministic and Stochastic Modeling in Biomedicine, Economics and Industry (G.Aletti and others eds.)* - Springer, 125-138 (with F.Mendivil and E.R.Vrscay)
- **A comparative simulation study on the IFS distribution function estimator.** (2005) - 6, 5, 858--873. - Nonlinear Analysis: Real World Applications (with S.M.Iacus)
- **Approximating distribution functions by iterated function systems** (2005) - 1, 33-46. - Journal of Applied Mathematics and Decision Sciences (with S.M.Iacus)