

CURRICULUM VITAE

Danilo Liuzzi

Citizenship: Italian

Date of Birth: 07/12/77

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EDUCATION:

- 2015: PhD/Doctorate in Economics, University of Milan, Milan, Italy. Title: "Space, Uncertainty and Intergenerational Issues: Essays in Environmental Economics".
- 2012: Master in Economics and Political Science (Major in Economic Analysis and Policy, final grade: 110/110 magna cum laude, University of Milan, Milan, Italy.
- 2005: Master in Electronic Engineering (Major in Microelectronics and Devices), Politecnico of Milan, Italy.

CURRENT ACADEMIC POSITIONS:

- September 2016 - present: Post Doctoral Fellow at Ca' Foscari University of Venice. Project Title: "Interactions in complex economic systems: innovation, contagion and crises"
- September 2016 - present: Adjunct Professor, Mathematics. Ph.D Program, Graduate School in Social, Economic and Political Sciences, University of Milan, Milan, Italy. Bachelor Degree in Public Management, Department of Economics, Management and Quantitative Methods, University of Milan, Milan, Italy.

PAST ACADEMIC POSITIONS:

- March 2014 - November 2015: Research Associate, Department of Applied Mathematics and Sciences, Khalifa University, Abu Dhabi, UAE.

RESEARCH INTERESTS:

- Environmental and Resource Economics
- Macroeconomics and Growth Theory
- Multicriteria Decision Making
- Economic Dynamics and Control
- Mathematical Modeling
- Complexity and Computational Economics

PUBLICATIONS:

Journal Papers:

- Pollution Control under Uncertainty and Sustainability Concern (2016) - DOI 10.1007/s10640-016-0010-x. Forthcoming in *Environmental and Resource Economics*, **AJG Rating 2015: 3** - (with D. La Torre, S. Marsiglio).
- Planning Sustainable Development through a Scenario-based Stochastic Goal Programming Model (2016) - DOI 10.1007/s12351-016-0239-8 Forthcoming in *Operational Research*, **AJG Rating 2015: 1** (with R. Jayaraman, C. Colapinto, D. La Torre).

- A Fuzzy Goal Programming Model to Analyze Energy, Environmental and Sustainability Goals of the United Arab Emirates (2015) - DOI 10.1007/s10479-015-1825-5 - *Annals of Operations Research*, **AJG Rating 2015: 3** (with C. Colapinto, R. Jayaraman, T. Malik).
- Sustainability and Intertemporal Equity: a Multicriteria Approach (2015) -DOI 10.1007/s10479-015-1837-1 - *Annals of Operations Research*, **AJG Rating 2015: 3** (with C. Colapinto, S. Marsiglio).
- Pollution Diffusion and Abatement Activities across Space and over Time (2015) - *Mathematical Social Science* , **AJG Rating 2015: 3** Volume 78, November 2015, Pages 4863 - (with D. La Torre, S. Marsiglio).
- Dynamics and Optimal Control for a Spatially-Structured Environmental-Economic Model: (2015) - *Electronic Journal of Differential Equations* , Vol. 2015 (2015), No. 277, pp. 1-15. - (with D. La Torre, T. Malik, O. Sharomi, R. Zaki).

Book Chapters:

- On Dynamic Multiple Criteria Decision Making Models: A Goal Programming Approach (2015) - in "Multiple Criteria Decision Making in Finance, Insurance and Investment" *Springer International Publishing* , 2015, Pages 31-48 (with B Aouni, C. Colapinto, D. La Torre, S. Marsiglio).

Conference Proceedings:

- A Goal Programming Model with Satisfaction Function for Long-run Sustainability in the United Arab Emirates - (2015) - DOI 10.1109/IEEM.2015.7385646(with C. Colapinto, R. Jayaraman, D. La Torre). In Proceedings of 2015 **International Conference on Industrial Engineering and Operations Management**, **IEEE xplore**.

Submitted Papers:

- Demographic and Pollution Interaction in a (Macro)Economic Geography Model - (with D. La Torre e S. Marsiglio). **Accepted for EAERE 2016**, Annual Conference of the European Association of Environmental and Resource Economists, ETH Zurich, Zurich, Switzerland, June 2016
- Dynamic Analysis and Optimal Control in a Coupled Environment-Growth Model (2015) - (with D. La Torre, T. Malik, O. Sharomi, R. Zaki).
- MATOPTDE: A MATLAB toolbox for solving optimal control problems in differential equations (with O. Sharomi, D. La Torre, T. Malik, R. Zaki).
- Population and Geography Do Matter for Sustainable Development - (with D. La Torre e S. Marsiglio).

CONTRIBUTED TALKS:

- EAERE 2015, Annual Conference of the European Association of Environmental and Resource Economists, University of Helsinki, Helsinki, Finland, June 2015.

RESEARCH AWARDS:

- 2015 Research Award, Department of Economics, Management and Quantitative Methods, University of Milan, Milan, Italy.

TEACHING ACTIVITIES:

Adjunct Professor :

- October 2016 - November 2016: Mathematics, Ph.D Program of the Graduate School in Social, Economic and Political Sciences, University of Milan, Milan, Italy.
- September 2016 - present: Mathematics, Bachelor Degree in Public Management, Department of Economics, Management and Quantitative Methods, University of Milan, Milan, Italy.

Teaching Assistant:

- October 2013 - present: Mathematical Methods and Modeling, Department of Economics, Management and Quantitative Methods, University of Milan, Milan, Italy
- 2012 - 2013: Theories and Techniques of Optimization (English). Faculty of Computer Science, Free University of Bozen, Italy

College Instructor:

- December 2015: Applied Mathematics at Istituto Istruzione Superiore E. Torricelli, Via U. Dini, 7 Milano (Mi), Italy .
- January 2016 - June 2016: College Instructor, Mathematics, Istituto Istruzione Superiore E. Alessandrini, Vittuone, Milan, Italy.

SUMMER SCHOOLS AND ADDITIONAL EDUCATION:

- Santa Fe Institute Complex Systems Summer School (CSSS) June 12- July 8, 2016 - Santa Fe, New Mexico, USA
- GROWTHCOM Project Summer School: Socio-Economic Complex Systems. September 6-12, 2015, Lipari Island, Italy
- Agent-Based Economic Modelling. First Ancona-Milano Summer School on AB Economics. Ancona, 1-5 September 2015

PROFESSIONAL QUALIFICATIONS:

- November 2005 - present: Licenced/Professional Engineer: Member of the Italian National Engineer's Association (Italian Society of Professional Engineers).