ALESSANDRO T. VILLA

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Date: September 11, 2020

EDUCATION

Duke University (Durham, USA) *Jul 2015-2021 (Expected)*
PhD in Economics (and MA in Economics en route to PhD)

Bocconi University (Milan, Italy) *Sep 2013-Dec 2014*
Master of Business Administration

University of Genoa (Genoa, Italy) *Sep 2005-Feb 2011*
BS & MSc in Computer Engineering (Full Marks)

RESEARCH INTERESTS

Macroeconomics, Financial Economics, Firm Dynamics, Optimal Fiscal Policy, Computational Methods

WORKING PAPERS

1. Macro Shocks and Firm Dynamics with Oligopolistic Financial Intermediaries (Job Market Paper)

2. Machine Learning Projection Methods for Macro-finance Models, joint with Vytautas Valaitis, *Reject & Resubmit, Quantitative Economics - CEF Grad Student Contest Winner 24th Conference (2018)*

3. Optimal Financial Contracting and the Effects of Firm's Size, joint with Sandro Brusco, Giuseppe Lopomo and Eva Ropero - *Conditionally accepted, The RAND Journal of Economics*

WORK IN PROGRESS

1. Capital and Labor Taxes with Costly State Contingency, joint with Alex Clymo and Andrea Lanteri

2. Default on Fiscal Promises, joint with Alex Clymo and Andrea Lanteri

3. Optimal Procurement with Quality Concerns, joint with Nicola Persico and Giuseppe Lopomo

4. Government Risk Management with Real and Nominal Bonds, joint with Taehoon Kim, Lukas Schmid and Vytautas Valaitis

PRE ECONOMICS PHD PUBLICATION

1. A Lyapunov-stable, Sensor-based Model for Real-time Path-tracking among Unknown Obstacles, joint with Antonio Sgorbissa, Andrea Vargiu and Renato Zaccaria, *2009 IEEE International Conference*

PROFESSIONAL EXPERIENCES

Consilium SGR Private Equity Dec 2014-Jul 2015
Associate *Milan, IT*

Blackstone Entrepreneurs Network Sep 2014-Dec 2014
Fellow *Durham, USA*

McKinsey & Company Summer 2014
MBA Summer Associate *Milan, IT*

Danieli Automation SPA Aug 2011-Aug 2013
Software Engineer *Genoa, IT*

Accenture IT Consulting Feb 2011-Aug 2011
Analyst *Milan, IT*

Gruppo FOS SPA Sep 2010-Feb 2011
Software Engineer *Genoa, IT*

ACADEMIC EXPERIENCES

Duke University, Department of Economics

Instructor of Intermediate Macroeconomics (Summer 2020 Undergraduate), Research Assistant for Andrea Lanteri (2017-2020), Teaching Assistant of Introduction to Econometrics (Spring 2017 Undergraduate) and Intermediate Microeconomics II (Fall 2016 Undergraduate)

Duke University, Fuqua School of Business

Teaching Assistant of Finance I (Fall 2019 Finance PhD Core), Managerial Economics (Fall 2019 MBA Daytime) & Investments (Spring 2018 MBA Elective)

PRESENTATIONS (*CO-AUTHORS PRESENTING)

2020 Econometric Society World Congress (online), 2020 MFR Program Summer Session for Young Scholars, 2020 Boston College Macro Lunch (online), 2019 INFORMS Annual Meeting(*), 2019 Econometric Society African Meeting(*), 2019 CEF 25th International Conference, 2018 Econometric Society Summer European Meeting(*), 2018 CEF 24th International Conference, 2018 Baltic Economic Conference(*)

HONORS & AWARDS

Macro Finance Society *Nov 2018*
Sponsored PhD Student 12th Workshop

Society for Computational Economics *Jun 2018*
Graduate Student Contest Winner 24th Conference

Duke Graduate School *Summer 2018*
Summer Research Fellowship

Duke Graduate School *2015-2020*
Full Tuition Scholarship

SUMMER SCHOOLS

Becker Friedman Institute (University of Chicago) *Jul 2020*
MFR Program Summer Session for Young Scholars

London School of Economics *Aug 2017*
Advanced Tools: Solving and Estimating Advanced Macroeconomic Models with Wouter den Hann

SKILLS & COMPETENCIES

Languages	Italian (Native), English
Programming	C/C++, Matlab, Java, C#, PHP, Javascript, Python
Computing	IBM ILOG CPLEX/AMPL, GPU Computing with C and CUDA
Databases	MySQL, SQL Server, Oracle PL/SQL

REFERENCES

Andrea Lanteri
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Duke University
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Fuqua School of Business
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