

ARMANDO RUNGI
married, two daughters
Born in Napoli, 27th February 1978 – Italian
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WORK EXPERIENCE

12/2014 – current	IMT – School for Advanced Studies - Lucca Assistant Professor of Industrial Organization and International Trade (AXES - Laboratory for the analysis of Complex Economic Systems)
10/2015 – 06/2016	United Nations Conference on Trade and Development (UNCTAD) – Geneva Economic Affairs Consultant for the World Investment Report 2016
07/2006 – 12/2015	Bocconi University - Milan Junior Researcher – ISLA research center for Latin America and Transition Economics
01/2008 – 10/2015	Fondazione ENI Enrico Mattei Associate Researcher on projects of International Economics
08/2013 – 12/2014	IMT – School for Advanced Studies - Lucca Post-doc Researcher – Laboratory for the Analysis of Complex Economic Systems
01/2012 – 08/2013	University of Warsaw, faculty of economic sciences – Warsaw Assistant Professor - Marie Curie Research Fellow – International Trade
04/2011 – 07/2011	OECD – Statistics Directorate – Paris Visiting researcher – Ownership and Corporate Control in Domestic and Multinational Business Groups
01/2011 -07/2011	Université Sciences Po – Paris Visiting lecturer - Economics of Globalization
11/2010 – 01/2011	Banque de France - Paris Visiting researcher
01/2010 –07/2010	CEPII (Centre d'Études Prospectives et d'Informations Internationales) - Paris Visiting researcher
09/2003 – 05/2004	Italian Embassy in Hungary, Economic Office - Budapest Internship: Promotion of European Structural and Regional Funds.

'ABILITAZIONE'

National Academic Qualification as 'Professore di seconda fascia' (Associate Professor) in 'Politica Economica' (Economic Policy), valid from 20/08/2018 until 20/08/2024 (art. 16, comma 1, Legge 240/10).

GRANTS

Marie Curie Research Fellowship – Senior Researcher in 2012/2013, working on an EU funded project (DISSETTLE) aimed at implementing quantitative methods in the WTO dispute settlement system for international trade and investment.

TEACHING AND OTHER ACADEMIC ACTIVITIES

2018-2019	Econometrics II (PhD level), International Economics (PhD level)
2017-2018	Econometrics II (PhD level)
2016-2017	Applied Econometrics I (PhD level), Analytics and Data Science in Economics and Management II (PhD level)

2015-2016	Applied Econometrics I (PhD level), Analytics and Data Science in Economics and Management II (PhD level)
2014-2015	Empirical Methods for Economics and Management (PhD level)
2011-2012	International Trade (Master level); Economics of Globalization (Master level)
2007-2009	Teaching assistant: Macroeconomics (undergraduate), International Trade (undergraduate), European Economic Integration (undergraduate), European Economic Policy (master level)

Research Interests	International Economics; Industrial Organization; Organizational Economics; Microeconometrics; Computational Economics; Health Economics; Trade Policy; Transition Economies.
Referee activities	Quarterly Journal of Economics, Journal of Regional Science, Review of International Economics, World Economy, <i>Economica</i> .
Memberships	American Economic Association (AEA); European Economic Association (EEA); Royal Economic Society (RES)
Public Engagement	Delegate of the ‘National Economic Education Delegation’ (originated in the United States, see http://www.needelegation.org/), whose mission is that: <i>“One day, the public discussion of policy issues will be grounded in an accurate perception of the underlying economic principles and data”</i> .

EDUCATION

- **Ph.D.** Bocconi University, Milan
October 2007 – May 2011
PhD Thesis: **“Heterogeneous Firms and Heterogeneous Responses from Economic Integration: Empirical Studies”**.
Thesis Committee: Gianmarco Ottaviano (London School of Economics), Lionel Fontagné (PSE & Paris 1-Sorbonne), Carlo Altomonte (Bocconi University).
- **Master’s Degree** **Degree in Economics** - field: **International Economics** - Bocconi University, final grade 110/110
September 1999 – July 2005
- **Other courses** Continuing education courses for teaching and research, proposed by the American Economic Association: **Industrial Organization** (2017); **Machine Learning and Econometrics** (2018).

Second GIST Summer School - **Heterogeneous firms and offshoring in services**, organized by Paris School of Economics, May 2010.

LANGUAGES AND PROGRAMMING

Foreign languages	Italian (native); English (advanced); German (Intermediate); French (Intermediate); Russian (basic); Hungarian (basic)
Programming	STATA, GEPHI, Python, Scientific Workplace, MATLAB (basic), C++ (basic)

RESEARCH ACTIVITY

Published papers

‘The smile curve at the firm level: Where value is added along supply chains’. *Economics Letters*, 164, pp. 38-42 (with Del Prete D.). ISSN 01651765 (2018).

‘Organizing the Global Value Chain: A firm-level test’. *Journal of International Economics*, 109, pp. 16-30 (with Del Prete D.). ISSN 0022-1996 (2017).

‘On Economic Complexity and the Fitness of Nations’. *Nature Scientific Reports*, 7 (1). pp. 1-11 (with Morrison G., Buldyrev S. V., Imbruno M., Doria Arrieta O. A., Riccaboni M. and Pammolli, F.). ISSN 2045-2322 (2017)

‘Reputation and impact in academic careers’. *Proceedings of the National Academy of Sciences (PNAS)*, 111 (43). pp. 15316-15321 (with Petersen A., Fortunato S., Pan R. K., Kaski K., Penner O., Riccaboni, M., Stanley H. E., Pammolli F.). ISSN 1091-6490 (2014).

‘Import Penetration, Intermediate Inputs and Productivity: Evidence from Italian Firms’. *The Journal of the Italian Economic Association*, 55 (1). pp. 45-66 (with Altomonte C. and Barattieri A.). ISSN 1593-8662 (2014)

‘The price of pharmaceutical products in Italy. On some recent trends’. *Mercato Concorrenza Regole*, 2/2014 pp. 265-282 (with Pammolli F. and Baio G.). ISSN 1590-5128.

‘Business Groups as Hierarchies of Firms: Determinants of Vertical Integration and Performance’. #1554/2013 *European Central Bank* (with Altomonte C.). ISSN 1725-2806 (2013).

‘Global value chains during the great trade collapse: a bullwhip effect?’ #1412/2013 *European Central Bank* (with Altomonte, C., Di Mauro F., Ottaviano G. and Vicard V.). ISSN 1725-2806 (2012).

‘The Invisible Role of Business Groups is made Evident’. *Review of Environment, Energy and Economics*. pp. 1-5. (2012)

‘Le start-up come fenomeno regionale’. *Impresa & stato*, 94. pp. 44-49. ISSN 1123-5519 (2012)

‘Abundant Resources and Poor Development Opportunities’. *Equilibri: rivista per lo sviluppo sostenibile*, 3. pp. 403-420 (with Merler S.). ISSN 1594-7580 (2010)

‘Assessing the Competitive Behaviour of Firms in the Single Market: A Micro-based Approach’. #409/2010 *European Economy Economic Papers* (with Altomonte C., Nicolini M. and Ogliari L.). ISSN 1725-3187 (2010).

Chapters in books

‘Global value networks’. In: *The age of global value chains : maps and policy issues*. VoxEU.org . CEPR Press, London, pp. 85-106. (with Altomonte C., Colantone I. and Sonno T.) ISBN 978-1-907142-91-8 (2015)

'The European transport system: major challenges'. In: Liberalization of Transportation Services in the EU: the Polish Perspective. Polish Studies in Economics (6). Peter Lang, pp. 13-46 (with Michalek J. and Ghodsi M.). ISBN 978-3-631-65566-5 (2015)

'Transportation services and global value chains'. In: Liberalization of Transportation Services in the EU: the Polish Perspective. Polish Studies in Economics (6). Peter Lang, pp. 47-108 (with Hagemeyer, J.). ISBN 978-3-631-65566-5 (2015)

'Global value chains during the Great Trade collapse: a bullwhip effect'. In: Firms in the international economy : firm heterogeneity meets international business. CESifo Seminar Series. MIT Press, pp. 277-308 (with Altomonte C., Di Mauro F. and Ottaviano G. and Vicard V.) ISBN 9780262019743 (2013)

'Le catene globali del valore dei gruppi multinazionali in Italia'. In: L'Italia nell'economia internazionale: Rapporto ICE 2011-2012. ISTAT – Istituto per il Commercio Estero, pp. 1-10. (2011)

Working Papers

'Measuring the Input Rank in Global Supply Networks' (with Fattorini L.) – R&R

'Global Ownership and Hierarchies of Firms. That which is essential is invisible to the eye.' (with Morrison G. and Pammolli F.) – R&R

'Cohesion Policy meets Heterogeneous Firms' (with Fattorini L. and Ghodsi M.) – R&R

'Sorting of Firms by Productivity and the North-South Divide in Italy' (with Biancalani F.) – under Review

'Does corporate control matter to financial volatility?' EIC working paper series #9/2017 IMT School for Advanced Studies Lucca (with Gianfagna L.) ISSN 2279-6894 (under revision).

'Access to Medicines and European Market Integration'. EIC working paper series #1/2016 IMT School for Advanced Studies Lucca ISSN 2279-6894. (under revision).

Work in progress

'Business Groups as Knowledge-Based Hierarchies of Firms' (with Altomonte C. and Ottaviano G.)

'Machine Learning for Zombie Hunting: Statistical Learning for Financially-Constrained Firms' (with Bargagli Stoffi F. and Riccaboni M.)

'Hierarchies of Firms and Global Market Power'

'A Global Innovation Network and a Firm-level Knowledge Organization' (with Squartini T. and Saracco F.)

'Catching-up Trajectories on Global Value Chains' (with Donofrio D. and Ferra E.)

'Decreasing Labor Shares across Countries: which role for Multinational Enterprises?' (with Rotunno L.)

'Global Value Chains, value generation and local comparative advantages' (with Santoni G.)

'Managers' Mobility and Interlocking Boards in Multinational Enterprises' (with Del Prete D.)

'Spatial Clustering of Industrial Districts using Machine Learning Techniques' (with Fattorini L.)

Research reports

‘Digital disruption and the transformation of Italian manufacturing’ (with Geuna A., Guerzoni M., Nuccio M. and Pammolli F.). A study prepared on occasion of the conference: “Industrial Renaissance: digital disruption and the post 4.0 economy”, organized by the **ASPEN Institute Italia** in October 2017.

http://www.aspeninstitute.it/system/files/private_files/2017-11/doc/REPORT_Digital_Disruption.pdf

‘Ascesa e declino dei tradizionali driver dello sviluppo: nuovi scenari futuri’ (with Pammolli F.). Articles for Aspen Seminars for Leaders. **ASPEN Institute Italia** (2015).

http://www.aspeninstitute.it/system/files/private_files/2015-07/doc/Ricerca_Drivers.pdf

‘Global value chains are not all born identical: Policymakers beware’ (with Altomonte C., Di Mauro F., Ottaviano G., and Vicard V.) **VOXEU.org CEPR policy portal** (2012)

<http://voxeu.org/article/global-value-chains-are-not-all-born-identical-evidence-france>

‘Mal d’Afrique: Abundance of Natural Resources and Growth Failure’ (with Merler S.). Project Report #79/2012 Polinares: **EU Policy on Naturales Resources** (2012).

INTERNATIONAL RESEARCH PROJECTS

Crisis Lab – ‘Analytics for Crisis Prediction and Management’ (<http://www.crisislab.it/>)

Switch – ‘Sustainable Welfare Innovation Competition in Health’ (<http://www.theswitchproject.eu/>)

Global Linkages – ‘Europe's Global Linkages and the Impact of Financial Crisis: Policies for Sustainable Trade, Capital Flows and Migration’, European consortium funded by the Volkswagen Foundation (<http://www.iaw.edu/glic/>)

Dissettle – ‘Disputes Settlement in Trade and Investment’, 7th Framework Programme European Commission (www.dissettle.org)

Polinares – EU Policy for Natural Resources, 7th Framework Programme European Commission (www.polinares.eu)

EC-COMP - Assessing the Competitive Behaviour of Firms in the Single Market: A Micro-based Approach, European Commission, (http://ec.europa.eu/economy_finance/publications/economic_paper/2010/ecp409_en.htm)

MicroDyn – Micro Dynamics. WP 5: Internationalization of corporate activity and competitiveness of the European economy, 6th Framework Programme European Commission (www.micro-dyn.eu)

DynReg - Dynamic regions in a knowledge-driven global economy: lessons and policy implications for the EU, 6th Framework Programme European Commission (http://cordis.europa.eu/result/rcn/47101_en.html)

Russian Perspectives: Lights and Shadows of an Outstanding Growth. Team member at Scuola Direzione Aziendale (SDA) Bocconi.

CONFERENCES AND WORKSHOPS

Scientific committee and local organizer of the **Italian Trade Study Group 2016** at IMT Lucca (<https://www.imtlucca.it/workshop-itsg>)

Forthcoming:

American Economic Association (ASSA) Annual Meeting 2019 in Atlanta (GA) – USA;
CEPR & Bank of Italy conference on “Firm Dynamics and Economic Growth”, on 19 December 2018.

Past events:

NBER meeting on Firms, Networks, and Trade, March 2018, Cambridge (MA) – USA; **American Economic Association (ASSA)** Annual Meeting 2018 in Philadelphia (PA) – USA; **European Trade Study Group 2017** at European University Institute in Florence – Italy; **Forum for Research on Empirical International Trade (FREIT) 2017** in Izola – Slovenia. **Italian Trade Study Group 2016**, at IMT Lucca – Italy (scientific committee and organizer); **CEPR Second Conference on Global Value Chains, Trade and Development 2016**, at Graduate Institute, Geneva – Switzerland; **European Trade Study Group 2016**, Helsinki – Finland, **Royal Economic Society (RES) 2016**, Brighton – United Kingdom; **American Economic Association (ASSA)** Annual Meeting 2016 in San Francisco (CA) - USA; **Italian Trade Study Group 2015**, Rome – Italy; **Networks, Complexity, and Economic Development 2015**, workshop at the Hungarian Academy of Sciences in Budapest – Hungary; **European Trade Study Group 2015** at University Paris-Sorbonne – France; **Warsaw International Economic Meeting (WIEM) 2015** in Warsaw – Poland; **American Economic Association (ASSA) 2015** in Boston (MA) – USA; **European Conference on Complex Systems (ECCS) 2014** in Lucca – Italy; **European Trade Study Group 2014** at University of Munich – Germany; **Warsaw International Economic Meeting (WIEM) 2014** in Warsaw – Poland; **Global Linkages 2013**, 3rd Workshop, in Milan – Italy; **Italian Trade Study Group 2013** in Florence – Italy; **DISSETTLE (Dispute Settlement in Trade) 2013** Workshop and Round Table on the Role of Trade Disputes in International Relations in Warsaw – Poland; **American Economic Association (ASSA) 2013** in San Diego (CA) – USA; **Compnet 2012** - Competitiveness Research Network at European Central Bank, Frankfurt am Main – Germany; **European Trade Study Group 2012** at KU Leuven – Belgium; **WIEM 2012** at University of Warsaw – Poland; **Forum for Research on Empirical International Trade (FREIT) 2012** at University of Ljubljana – Slovenia; **Policy for Natural Resources (POLINARES) 2012** - Future policy approaches to address tension and conflict relating to access to oil, gas and minerals” – at University of Westminster, London - United Kingdom; **First DISSETTLE (Dispute Settlement in Trade) Young Researcher Workshop 2012** at University of Saint Gallen – Switzerland; **Policy for Natural Resources (POLINARES) 2011** - Identifying the major risks for future tension and conflict relating to access to resources at Clingendael International Energy Programme (CIEP) in The Hague – Netherlands; **European Trade Study Group 2011** at Copenhagen Business School – Denmark; **Mapping Global Value Chains 2011** at OECD, Paris – France; **Italian Trade Study Group 2011** at Centro Studi Luca d’Agliano. Milan – Italy; **ELSNIT** - VIII Conference of the Euro-Latin Study Network on Integration and Trade, 2010, at Centre d’Études Prospectives et d’Informations Internationales (CEPII) in Paris – France; **European Trade Study Group 2010** at University of Lausanne – Switzerland; **POLINARES** Thematic Workshop - Policy for Natural Resources - 2010 at University of Westminster, London – United Kingdom; 1st Conference on Microdata: **“Productivity and Internationalization” 2010** organized by the Ministry of Economic Affairs in The Hague, Netherlands; **GIST – Globalization, Investment and Services Trade** - Summer School on “Heterogeneous firms and offshoring in services”, 2010 in Paris – France; **MICRO-DYNAMICS Workshop 2010** on “Knowledge and Innovation Activities of European Firms” at the Vienna Institute for Economic Studies (WIIW) in Vienna – Austria; **MICRO-DYNAMICS Workshop 2009** on "Firms’ internationalization and knowledge diffusion", at Fondazione ENI Enrico Mattei in Milan – Italy; **DYNREG workshop 2009** - Dynamic regions in a knowledge-driven global economy: final Conference, at the European Commission in Brussels – Belgium; **DYNREG workshop 2009**- Dynamic regions in a knowledge-driven global economy: “The Role of Public Policies in Fostering Innovation and Growth”, 2009, at University of Ljubljana – Slovenia; **European Trade Study Group 2008** at University of Warsaw & Warsaw School of Economics – Poland; **MICRO-DYNAMICS Public Conference 2008**, University of Ljubljana – Portoroz - Slovenia.