

**Giorgio Triulzi**  
Assistant Professor  
Management Area  
Joined the School in 2018

#### Academic Background

2015 - 2017	Postdoctoral Associate, Institute for Data, Systems, and Society, Massachusetts Institute of Technology.
2014 - 2015	Postdoctoral research assistant, Singapore University of Technology and Design.
2009 - 2015	PhD in Economics and Policy Studies of Technological Change UNU-MERIT and Maastricht University.
2007 – 2008	EU Erasmus Visiting Master Student Program, Eindhoven University of Technology, The Netherlands
2006 - 2009	Master of Science in Economics of International Markets and New Technologies, Bocconi University
2007 - 2008	EU Erasmus Visiting Bachelor Student Program, University Louis Pasteur, Strasbourg, France
2003-2006	Bachelor of Science in Economics of International Markets and New Technologies, Bocconi University

#### Teaching Experience

##### **COURSES TAUGHT IN RECENT YEARS**

###### **Graduate**

Business, Technology, Innovation and Diffusion – Universidad de los Andes, School of Management  
Introduction to Applied Statistics - Singapore University of Technology and Design

###### **Undergraduate**

Strategic Management of Technological Innovation – Universidad de los Andes, School of Management  
Public Management – Universidad de los Andes, School of Management  
Innovation in Economics and Business – Maastricht University, School of Economics and Business  
International Economics – Maastricht University, School of Economics and Business  
Microeconomics – Maastricht University, School of Economics and Business  
Principle of Economics – Maastricht University, School of Economics and Business  
Banking – Maastricht University, School of Economics and Business  
Development Economics – Maastricht University, School of Economics and Business

#### Academic Activities

2018-to date	Assistant Professor. UASM. Bogotá, Colombia.
2017	Kaufmann Teaching Certificate Program, MIT, Cambridge, Massachusetts, United States.
2016	Co-supervisor Visiting Research Student, MIT-IDSS, Cambridge, Massachusetts, United States.
2015	Course Coordinator and Instructor, Singapore University of Technology and Design, Singapore
2013-2014	Lecturer, School of Business and Economics, Maastricht University, Maastricht, Netherlands

## INVITED TALKS

2019	(Forthcoming) Workshop “Tracking innovation trajectories in the complex economy”. Organizers: University of Turin, Technical University of Turin and Institute for New Economic Thinking
2019	XII Conference on Frontier Research in Applied Economics. Organizer: Research Group on Economic Modeling and Quantitative Methods, Universidad Nacional de Colombia, Department of Economics, Bogotá, Colombia
2018	Workshop on Innovation, Industrial Dynamics and Industrial Policy. Organizer: Universidad Jorge Tadeo Lozano, Department of Economics, Bogotá, Colombia
2017	Workshop “Collective Learning and Economic Geography”. Organizer: Cesar Hidalgo, MIT-Media Lab, Cambridge, US
2016	Seminar at Scalable Cooperation Group. Organizer: Iyad Rahwan, MIT-Media Lab, Cambridge, US

## CONFERENCES

2019	European Meeting on Applied Evolutionary Economics, SPRU, Brighton, UK
2018	DRUID Society Conference, Copenhagen Business School
2017	Workshop on Economics of Innovation, Complexity and Knowledge, Collegio Carlo Alberto, Turin, Italy
2016	Micro Evidences on Innovation and Development Conference, Higher School of Economics, Moscow, Russia
2016	Global Tech-Mining Conference, Technical University of Valencia, Spain
2016	International Joseph A. Schumpeter Society Conference, Montreal, Canada
2016	Modeling and Visualizing Science and Technology Developments Conference, National Academy of Sciences, Washington D.C., U.S.A.
2015	Conference on Complex Systems, Arizona State University, U.S.A.
2015	International Asia-Pacific Innovation Conference, Zhejiang University, Hangzhou, China
2015	European Meeting on Applied Evolutionary Economics, Maastricht University School of Business and Economics and MERIT, The Netherlands
2014	New England Complex Systems Institute Summer Course in Complexity, NECSI, Cambridge, Massachusetts, U.S.A.

- 2014 International Joseph A. Schumpeter Society Conference, Friedrich Schiller University, Jena, Germany
- 2013 International Asia-Pacific Innovation Conference, National Taiwan University, Taipei  
European Meeting on Applied Evolutionary Economics, SKEMA Business School, Nice, France
- 2013 SUNBELT Social Networks Conference of the International Network for Social Network Analysis, University of Hamburg, Germany
- 2011 Globelics Conference, Buenos Aires, Argentina  
Dynamics of Institutions and Markets in Europe Conference, Maastricht University School of Business and Economics and MERIT, The Netherlands
- 2010 Advances in Agent-Based Computational Economics, University of Vienna, Austria  
International Symposium on Agent-Based Modeling, University of Bielefeld, Germany
- 2009 European Meeting on Applied Evolutionary Economics, Friedrich Schiller University, Jena, Germany  
Conference of the Annual European Association for Evolutionary Political Economy, University of Amsterdam, The Netherlands

#### Other Professional Activities

#### **CONSULTANCIES**

- 2017 DRAPER Laboratories, Cambridge, Massachusetts. Part of a team that estimated the performance improvement rate for a few technologies using patent data and identified key patents in those research areas.

#### Research

#### **RESEARCH AREAS**

- Economics and management of technological change
- Empirical analysis of technological evolution
- Catching-up by latecomer firms and countries
- Productivity and growth
- Science, Technology and Innovation Policy

#### **RESEARCH PROJECTS**

- 2018 – to date Systematic empirical analysis of the rate and direction of technological change to identify potential high-growth and diversification pathways

#### Publications

#### **ARTICLES IN ACADEMIC JOURNALS**

- 2019 “Quantification of technological progress in greenhouse gas (GHG) capture and mitigation using patent data”. Sharifzadeh M., Triulzi G., Magee C. Energy and Environmental Science. Forthcoming (paper accepted).
- 2019 “Overlay technology space map for analyzing design knowledge base of a technology domain: the case of hybrid electric vehicles”. Song B., Yan B., Triulzi G., Alstott J., Luo J.

Research in Engineering Design. Vol 30. Pp 405 – 423.

- 2018 “Cyclic dependence, vertical integration, and innovation: The case of Japanese electronics sector in the 1990s”. Luo J., Triulzi G. Technological Forecasting and social change. Vol 132. Pp 46 – 55. doi.org/10.1016/j.techfore.2017.12.009
- 2018 “Is There a Moore's Law for 3D Printing?”. Benson C., Triulzi G., Magee C. 3D Printing and Additive Manufacturing. Vol 5. pp 53 – 62. doi.org/10.1089/3dp.2017.0041.
- 2017 “Inventors Explorations Across Technology Domains”. Alstott J, Triulzi G., Yan B., Luo J. ., Design Science. Vol 3.
- 2017 “Mapping Technology Space by Normalizing Patent Networks”. Alstott J, Triulzi G., Yan B., Luo J., Yan B., Triulzi G., Alstott J. Scientometrics. Vol 110. Pp 443 – 479.
- 2014 “R&D and Knowledge Dynamics in University-Industry Relationships in Biotech and Pharmaceuticals: an Agent-Based Model”. Triulzi G, Scholz R., Pyka A.. International Journal of Biotechnology, Volume 13, Issue 1-3, pp. 137-179.
- 2012 “Knowledge flows - Analyzing the core literature of innovation, entrepreneurship and science and technology studies”. Bhupatiraju S., Nomaler O., Triulzi G., Verspagen B. Research Policy. Vol 41. Pp 1205-1218.
- 2011 “Learning-by-Modeling: Insights from an Agent-Based Model of University-Industry Relationships” Triulzi G., Pyka A. Cybernetics and Systems. Vol 42. Pages 484-501.

#### Participation in Boards, Committees and Associations

- 2019 Member. Accreditation Committee, Universidad de los Andes, School of Management
- 2018 – to date Member. Exchange Committee, Universidad de los Andes, School of Management

#### Scholarships and Academic Distinctions

- 2015 Best Poster Award, Conference on Complex Systems
- 2010 Best Symposium Paper Award, International Symposium on Agent-Based Modeling
- 2009 Outstanding PhD Paper Award, European Meeting on Applied Evolutionary Economics
- 2009 – 2010 United Nations PhD Scholarship