

CURRICULUM VITAE**Luca Colombo**

Deakin Business School
Department of Economics
Melbourne Campus, 221 Burwood Hwy
Burwood VIC 3125, Australia

SCIENTIFIC HABILITATIONS

- French Qualification (CNU), Full Professor in Economics (05), Qualification N° 21105349115
- Italian National Scientific Habilitation (ASN), Full Professor in Political Economy (SEC 13/A2), August 2018 – August 2027
- Italian National Scientific Habilitation (ASN), Full Professor in Applied Economics (SEC 13/A4), October 2018 – August 2027

ACADEMIC POSITIONS

- Associate Professor, Deakin University, Melbourne, Australia, 2015–
- Senior Lecturer, Deakin University, Melbourne, Australia, 2009–2015
- Senior Lecturer, Middlesex University, London, UK, 2006–2008
- Lecturer, Trinity College Dublin, Dublin, Ireland, 2005–2006
- Research Fellow, Trinity College Dublin, Dublin, Ireland, 2003–2005
- Research Fellow, University of Bologna, Bologna, Italy, 2002–2007

ACADEMIC VISITS

- Visiting Scholar, CES (Centre d'Economie de la Sorbonne), University Paris 1 Panthéon Sorbonne, Paris, France, January 2018; January 2020
- Visiting Scholar, HIAS (Hitotsubashi Institute for Advanced Study), Hitotsubashi University, Tokyo, Japan, November 2019
- Visiting Scholar, Department of Agricultural and Resource Economics, UC Berkeley, Berkeley, USA, January-February 2016; November 2016; March 2018
- Visiting Scholar, Department of Economics, McGill University, Montreal, Canada, November 2016
- Visiting Scholar, GERAD (Group for Research in Decision Analysis), University of Montreal, Montreal, Canada, May-June 2014; October 2016
- Visiting Scholar, RIMS (Research Institute for Mathematical Sciences), Kyoto University, Kyoto, Japan, November-December 2015

ACADEMIC DEGREES

- Habilitation à Diriger des Recherches en Sciences Economiques (HDR in Economic Sciences), University Paris 1 Panthéon Sorbonne, Paris, France, 2021
- Dottorato di Ricerca in Finanza Pubblica (PhD in Public Economics), University of Pavia, Pavia, Italy, 2003
- Diplôme d'Etudes Approfondies en Economie Mathématique et Econométrie (MPhil in Mathematical Economics and Econometrics), Toulouse School of Economics, Toulouse, France, 2001
- Diploma di Laurea *Summa Cum Laude* in Scienze Politiche Indirizzo Politico-Economico (First-Class Honours Degree in Economics and Political Science), University of Bologna, Bologna, Italy, 1999

RESEARCH INTERESTS

- Dynamic Game Theory
- Environmental and Natural Resource Economics
- Industrial Organization and Regulation
- Mathematical Economics

PUBLICATIONS

- “Product quality differentiation in a renewable resource oligopoly” (with Paola Labrecciosa, Monash U), **Journal of Environmental Economics and Management**, 2021, forthcoming (Article 102583)
- “A stochastic differential game of duopolistic competition with sticky prices” (with Paola Labrecciosa, Monash U), **Journal of Economic Dynamics and Control**, 2021, Vol. 122, Article 104030
- “Dynamic oligopoly pricing with reference-price effects” (with Paola Labrecciosa, Monash U), **European Journal of Operational Research**, 2021, Vol. 288, pp. 1006-1016
- “A note on oligopoly exploitation of common-pool renewable resources, **Operations Research Letters**, 2020, Vol. 48, pp. 623-626
- “Stackelberg vs Cournot: A differential game approach” (with Paola Labrecciosa, Monash U), **Journal of Economic Dynamics and Control**, 2019, Vol. 101, pp. 239-261
- “Consumer surplus-enhancing cooperation in a natural resource oligopoly” (with Paola Labrecciosa, Monash U), **Journal of Environmental Economics and Management**, 2018, Vol. 92, pp. 185–193
- “Differential games in industrial organization” (with Paola Labrecciosa, Monash U), in *Handbook of Dynamic Game Theory*, Edited by T. Başar and G. Zaccour, Springer, Cham, 2017
- “On the Markovian efficiency of Bertrand and Cournot equilibria” (with Paola Labrecciosa, Monash U), **Journal of Economic Theory**, 2015, Vol. 155, pp. 332–358
- “On the convergence to the Cournot equilibrium in a productive asset oligopoly” (with Paola Labrecciosa, Monash U), **Journal of Mathematical Economics**, 2013, Vol. 49, pp. 441–445
- “Oligopoly exploitation of a private property productive asset” (with Paola Labrecciosa, Monash U),

- Journal of Economic Dynamics and Control**, 2013, Vol. 37, pp. 838–853
- “How should commodities be taxed? A supergame-theoretic analysis” (with Paola Labrecciosa, Monash U), **Journal of Public Economics**, 2013, Vol. 97, pp. 196–205
 - “A note on pricing with risk aversion” (with Paola Labrecciosa, Monash U), **European Journal of Operational Research**, 2012, Vol. 216, pp. 252–254
 - “Inter-firm knowledge diffusion, market power, and welfare” (with Paola Labrecciosa, Monash U), **Journal of Evolutionary Economics**, 2012, Vol. 22, pp. 1009–1027
 - “Technology uncertainty and market collusion” (with Paola Labrecciosa, Monash U), **The B.E. Journal of Economic Analysis & Policy**, 2010, 10: Iss.1 (Contributions), Article 15
 - “Endogenous transportation technology in a Cournot differential game with intra-industry trade” (with Luca Lambertini, U Bologna and Andrea Mantovani, Toulouse Business School), **Japan and The World Economy**, 2009, Vol. 21, pp. 133–139
 - “When Stackelberg and Cournot equilibria coincide” (with Paola Labrecciosa, Monash U), **The B.E. Journal of Theoretical Economics**, 2008, 8: Iss. 1 (Topics), Article 1
 - “Sustaining collusion under economic integration” (with Paola Labrecciosa, Monash U), **Review of International Economics**, 2007, Vol. 15, pp. 905–915
 - “Optimal punishments with detection lags” (with Paola Labrecciosa, Monash U), **Economics Letters**, 2006, Vol. 92, pp. 198–201
 - “The suboptimality of optimal punishments in Cournot supergames” (with Paola Labrecciosa, Monash U), **Economics Letters**, 2006, Vol. 90, pp. 116–121
 - “Dynamic advertising under vertical product differentiation” (with Luca Lambertini, U Bologna), **Journal of Optimization Theory and Applications**, 2003, Vol. 119, pp. 261–280

WORKING PAPERS/WORKS IN PROGRESS

- “A dynamic analysis of international environmental agreements under partial cooperation” (with Paola Labrecciosa, Monash U and Ngo Van Long, McGill U), 2021, revise and resubmit (2nd round, minor revision), **European Economic Review**
- “A dynamic analysis of climate change mitigation with endogenous number of contributors: loose vs tight cooperation” (with Paola Labrecciosa, Monash U and Ngo Van Long, McGill U), 2019, Discussion paper series HIAS-E-92, Hitotsubashi Institute for Advanced Study, Hitotsubashi University
- “A dynamic analysis of criminal networks” (with Paola Labrecciosa, Monash U and Agnieszka Rusinowska, U Paris 1 Panthéon Sorbonne)
- “Too many or too few? On the optimal number of firms in the commons” (with Paola Labrecciosa, Monash U and Leo K. Simon, UC Berkeley)
- “On the optimal taxation of the commons” (with Paola Labrecciosa, Monash U and Hassan Benchenkroun, McGill U)
- “Dynamic price competition, learning-by-doing, and organizational forgetting” (with Paola Labrecciosa,

Monash U)

- “Spatial competition in learning industries” (with Paola Labrecciosa, Monash U)
- “Vertical integration in resource industries” (with Paola Labrecciosa, Monash U)
- “A dynamic common-pool resource game under uncertainty” (with Paola Labrecciosa, Monash U)
- “Dynamic price competition with multiple reference prices” (with Paola Labrecciosa, Monash U)

CONFERENCE, WORKSHOP AND SEMINAR PRESENTATIONS

- 2021: Seminar at CES (Centre d’Economie de la Sorbonne), University Paris 1, Paris, France (online); Seminar at University of Rome Tor Vergata, Rome, Italy (online)
- 2020: Seminar at CES (Centre d’Economie de la Sorbonne), University Paris 1, Paris, France
- 2019: DSI (Decision Sciences Institute) Annual Conference, New Orleans, USA
- 2018: Seminar at CES (Centre d’Economie de la Sorbonne), University Paris 1, Paris, France
- 2017: Workshop on Mathematical Economics, Keio University, Tokyo, Japan; Seminar at Monash University, Melbourne, Australia; Seminar at La Trobe University, Melbourne, Australia; ISDG (International Society of Dynamic Games) Conference on Dynamic Games and Game Theoretic Analysis, Nottingham University Ningbo, China; INFORMS (Institute for Operations Research and Management Sciences) Annual Conference, Houston, USA
- 2016: Seminar at Melbourne University, Melbourne, Australia; Montreal Environment and Resource Economics Workshop, McGill University, Montreal, Canada; 8th Workshop on Dynamic Games in Management Science, HEC Montreal, Montreal, Canada; 7th Workshop on Dynamic Games in Management Science, ESSEC Business School, Paris, France
- 2015: Workshop on Mathematical Analysis in Economic Theory, Kyoto University, Kyoto, Japan; Seminar at RIMS (Research Institute for Mathematical Sciences), Kyoto, Japan; INFORMS (Institute for Operations Research and Management Sciences) Annual Conference, Philadelphia, USA
- 2014: 5th Workshop on Game Theory in Energy, Resources and Environment, HEC Montreal, Montreal, Canada; Seminar at GERAD (Group for Research in Decision Analysis), Montreal, Canada; WEAI (Western Economic Association International) Annual Conference, Denver, USA
- 2013: WEAI (Western Economic Association International) Annual Conference, Seattle, USA; Workshop on Dynamic Mathematical Models in Economics and Finance, Deakin University, Melbourne, Australia
- 2012: WEAI (Western Economic Association International) Annual Conference, San Francisco, USA
- 2011: WEAI (Western Economic Association International) Annual Conference, San Diego, USA
- 2010: Workshop on Economic Theory, Deakin University, Melbourne, Australia
- 2008: Seminar at University of Nottingham, Nottingham, UK; Seminar at Deakin University, Melbourne, Australia; Monash University, Melbourne, Australia

- 2007: International Conference on Game Theory and Management, St. Petersburg, Russia
- 2006: EARIE (European Association for Research in Industrial Economics) Annual Conference, Amsterdam, Netherlands; International Industrial Organization Conference, Boston, USA; Seminar at University College Dublin, Dublin, Ireland; Seminar at Middlesex University, London, UK; Seminar at Brunel University, London, UK
- 2005: EARIE (European Association for Research in Industrial Economics) Annual Conference, Porto, Portugal; International Industrial Organization Conference, Atlanta, USA; ETSG (European Trade Study Group) Annual Conference, Dublin, Ireland
- 2004: International Industrial Organization Conference, Chicago, USA; World Congress of the Game Theory Society, Marseille, France; Seminar at Trinity College Dublin, Dublin, Ireland
- 2003: EARIE (European Association for Research in Industrial Economics) Annual Conference, Helsinki, Finland
- 2002: EARIE (European Association for Research in Industrial Economics) Annual Conference, Madrid, Spain; ASSET (Association of European Southern Economic Theorists) Annual Conference, Paphos, Cyprus; Seminar at University of Bologna; Seminar at EUROPÆUM Workshop, University of Oxford

AWARDS AND GRANTS

- Award for Excellence in Research, Department of Economics, Deakin University, 2019, 2021
- OSP (Overseas Study Program) Grant, Faculty of Business and Economics, Deakin University, 2016, 2019
- Award for Excellence in Research, School of Accounting, Economics, and Finance, Deakin University, 2013
- Post-Doctoral Fellowship, IIS (Institute for International Integration Studies), Trinity College Dublin, Ireland, 2005–2006
- Marie Curie Post-Doctoral Fellowship, Research Training Network “Trade, Industrialization and Development”, European Union, 2004–2005
- Marco Polo Award, University of Bologna, Italy, 2003–2004
- PhD Fellowship, Italian Ministry of Education and Research, 2000–2003
- Centre Régional des Oeuvres Universitaires et Scolaires de Toulouse Fellowship, University of Toulouse, France, 1999–2001

TEACHING

- Deakin University: Business and Climate Change (2nd year undergraduate, BA in Sustainability and Development, unit chair, lectures and tutorials), 2021; Choice, Strategies and Dilemmas (3rd year undergraduate, BA in Commerce, unit chair, lectures and tutorials), 2017-2021; Competition and Industry (2nd year undergraduate, BA in Commerce, lectures and tutorials), 2018; Microeconomic

- Theory and Policy (3rd year undergraduate, BA in Commerce, unit chair, lectures and tutorials), 2010-2016; Economic Principles (1st year undergraduate, BA in Commerce, lectures), 2013; Advanced Issues in Economics (Honours in Economics – 1st year postgraduate, unit chair, lectures and tutorials), 2011, 2014, 2015; PhD Maths Refresher (PhD in Economics, unit chair, lectures and tutorials), 2010, 2011, 2013-2015, 2017-2019; Advanced Economic Theory (PhD in Economics, lectures), 2017, 2019, 2020
- Middlesex University: Business Economics (3rd year undergraduate, BA in Commerce, unit chair, lectures and tutorials), 2008; Macroeconomic Environment and Policy (2nd year undergraduate, BA in Commerce, unit chair, lectures and tutorials), 2008; Economic Theory (MSc in Economics, unit chair, lectures), 2007; Methods of Economic Investigation (MSc in Economics, unit chair, lectures), 2007; Econometrics I (2nd year undergraduate, BA in Commerce, unit chair, lectures and tutorials), 2007
 - Trinity College Dublin: Environmental and Urban Economics (3rd year undergraduate, BA in Economics, lectures and tutorials), 2006; Preliminary Mathematics and Statistics (MSc in Economics, tutorials), 2005, 2006

GRADUATE STUDENT SUPERVISION

- Several Honours and Master students at Trinity College Dublin, Middlesex University, and Deakin University
- Pablo Esteban Jimenez, PhD student, Deakin University
- Sarah May Hilborn, PhD student, Deakin University

OTHER PROFESSIONAL ACTIVITIES

- Referee for the following journals: *Automatica*, *Australian Economic Papers*, *Canadian Journal of Economics*, *Ecological Economics*, *Economics Letters*, *Economic Record*, *Economic Systems*, *European Journal of Operational Research*, *Dynamic Games and Applications*, *Games and Economic Behavior*, *International Review of Economics and Finance*, *International Review of Law and Economics*, *Journal of Economic Dynamics and Control*, *Journal of Economics and Management Strategy*, *Journal of Economic Theory*, *Journal of International Trade and Economic Development*, *Journal of Mathematical Economics*, *Journal of Public Economics*, *Journal of the Association of Environmental and Resource Economists*, *Mathematics*, *Oxford Economic Papers*, *Public Finance Review*, *Resource and Energy Economics*, *The B.E. Journal of Theoretical Economics*, *Theory and Decision*
- Research project reviewer for Austrian Science Fund (FWF), 2021
- Member of professional associations (past and present): American Economic Association, Decision Sciences Institute, Econometric Society, European Association for Research in Industrial Economics, Industrial Organization Society, Game Theory Society, Institute for Operations Research and the Management Sciences, International Society of Differential Games, Italian Society of Public Economics, Special Interest Group on Algorithms and Computation Theory, Western Economic

Association International

- Co-organizer of the Workshop on Dynamic Games with Applications to Industrial Organization, Monash University, 2019
- Co-organizer of the Workshop on Dynamic Mathematical Models in Economics and Finance, Deakin University, 2013
- Local organizing and program committee member, ESAM (Econometric Society Australasian Meeting), Deakin University, 2012
- Economics management group member, CEFER (Centre for Economics and Financial Econometrics Research), Deakin University, 2014–2017
- Economics PhD coordinator, School of Accounting, Economics, and Finance, Deakin University, 2009–2011
- Executive committee member, Department of Economics, Deakin University, 2019-
- Faculty of Business and Law research ethics committee member, Deakin University, 2015–2017, 2020-
- Faculty of Business and Law student engagement committee member, Deakin University, 2020-

Io sottoscritto Luca Colombo indico che tutto quanto dichiarato nel presente CV corrisponde a verità, ai sensi degli articoli 46 e 47 del D.P.R. 445 del 28 Dicembre 2000 e successive modifiche e integrazioni.

Melbourne, 12/12/2021

Luca Colombo