

Curriculum vitae

LEO FULVIO MINERVINI

PERSONAL DETAILS

First name: Leo Fulvio
Family name: Minervini
Born: 11 July 1973
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EDUCATION

PhD – University of Warwick, Warwick Business School (UK), 2011.

LL.M (Law and Economics), with *distinction* - University of Manchester (UK), 2003.

European Master in Law and Economics, *cum laude* - Erasmus University of Rotterdam (Netherlands), 2003.

Degree in Economics, *cum laude* - University of Urbino (Italy), 2000.

PRESENT POSITION

Assistant Professor of Public Finance, *University of Macerata, Department of Economics and Law (Italy), since June 2008.*

PAST ACADEMIC POSITIONS

Research fellow, *University of Macerata, Department of Studies on Economic Development (Italy), November 2005 - May 2008.*

TEMPORARY AFFILIATIONS

Visiting researcher, VTT Technical Research Centre, Oulu, Finland, April 2014.

Visiting scholar, Vilnius Gediminas Technical University, Vilnius, Lithuania, June 2012.

RESEARCH INTERESTS

Public finance and economics; Economics of regulation; Contract theory; Political economy; Radio spectrum management; Transportation economics.

PUBLICATIONS

Articles in international journals

"Spectrum Management Reform: Rethinking Practices", in *Telecommunications Policy*, <http://dx.doi.org/10.1016/j.telpol.2013.07.004>, 2013.

"Stalling Innovation of Cognitive Radio: The Case for Dedicated Frequency Band" (with Arturas Medeisis), in *Telecommunications Policy*, <http://dx.doi.org/10.1016/j.telpol.2012.07.001>, 2012.

"Pluralistic Licensing" (with Oliver Holland, Luca De Nardis, Keith Nolan, Arturas Medeisis, Peter Anker, Fernando Velez, Marja Matinmikko and John Sydor), in *IEEE DySPAN 2012*, 33-41.

"Emerging Technologies and Access to Spectrum Resources: The Case of Short-Range Systems", in *Communications and Strategies*, 2007, vol. 67, 107-125. Reprinted in *Spectrum Law and Governance*, J. Ramakistaiah (Ed.), 1-18, ICFAI, Hyderabad, A.P, Amicus Books, 2008.

Articles in national journals

"The Performance of European Full Service Airlines after Liberalisation: An Econometric Analysis" (with Lara Gitto), in *Rivista di politica economica*, special issue on *The Liberalisation of the European Civil Aviation Industry: Economic and Policy Implications*, C.A. Piga and M.J. Gil-Moltó (Eds.), 2007, vol. 97(1), 105-122.

Books

Spectrum Management: Sharing a Wireless Input, Saarbrücken, Lambert Academic Publishing, 2013 (ISBN 978-3-659-33432-0).

Book chapters

"Spectrum Trading", to appear in *Spectrum Management: Technology, Economics, and Policy*, M. Cave, C. Doyle and W. Webb (Eds.), Cambridge University Press, 2015, *forthcoming*.

"Cognitive Radio Policy Analysis: Framework and Implementation" (with Arturas Medeisis), in *CR Policy and Regulation: Techno-Economic Studies to Facilitate Dynamic Spectrum Access*, A. Medeisis and O. Holland (Eds.), Springer, 2014, 251-255.

"Helping Innovation of CR" (with Arturas Medeisis), in *CR Policy and Regulation: Techno-Economic Studies to Facilitate Dynamic Spectrum Access*, A. Medeisis and O. Holland (Eds.), Springer, 2014, 292-298.

"Impact assessment for CR" (with Peter Anker), in *CR Policy and Regulation: Techno-Economic Studies to Facilitate Dynamic Spectrum Access*, A. Medeisis and O. Holland (Eds.), Springer, 2014, 298-304.

"Monitoring EU Telecoms Policy: Spectrum Policy" (with Martin Cave), in *Monitoring EU Telecoms Policy*, M. Cave, J. Haucap, J. Padilla, A. Renda and B. Williamson (Eds.), Madrid, Mic-Nerec, 2009, 19-26.

"Spectrum Management and Regulation: Towards a Full-Fledged Market for Spectrum Bands?" (with Diego Piacentino), in *Servizi pubblici: nuove tendenze nella regolamentazione, nella produzione e nel finanziamento* [Public Services: New Trends in Regulation, Production and Financing], M. Marrelli, F. Padovano and I. Rizzo (Eds.), Milano, Angeli, 2007, 131-156.

“Compagnie di bandiera e proprietà pubblica: tra sopravvivenza e crisi” [Flag Carriers and Public Ownership: Crisis and Survival], in *Mercato e politiche pubbliche nell'industria del trasporto aereo* [Market and Public Policies in the Air Transport Industry], A. Macchiati and D. Piacentino (Eds.), Bologna, Il Mulino, 2006, 175-207.

Privatizzazioni e riorganizzazioni delle aziende di servizi pubblici locali [Privatization and Reorganization of Public Utility Companies], Rome, CNR (Consiglio Nazionale delle Ricerche), 2006. Available at <http://www.issirfa.cnr.it/3512,1259.html>.

Papers in professional journals and newspaper articles

“Economics of Spectrum: Implications for the Netherlands” (with Martin Cave), in *Mediaforum*, 2006, n. 2, 30-34.

“Uno spettro da ridisegnare” [Spectrum Allocation: Why It Has to Be Re-Designed] (with Martin Cave), *Il Sole 24 Ore*, 12 January 2006.

Short notes, other papers and publications

Incentives for Incumbent Spectrum Users in Licensed Shared Access (LSA): A Dynamic Capabilities View (with Petri Ahokangas, Marja Matinmikko, Seppo Yrjölä, Vânia Gonçalves and Miia Mustonen), mimeo, 2014.

Co-opetitive Business Models in Future Mobile Broadband (with Petri Ahokangas, Marja Matinmikko, Irina Atkova, Seppo Yrjölä and Miia Mustonen), mimeo, 2014.

Pluralistic Licensing and Its Application to Next Generation Networks (with Oliver Holland, Luca De Nardis, Keith Nolan, Arturas Medeisis, Peter Anker, Fernando Velez, Marja Matinmikko, John Sydor and Hamid Aghvami), mimeo, 2014.

Concorrenza fra aeroporti e formule di tariffazione [On the Airport Business: Competition and Price Regulation] (with Diego Piacentino), January 2014.

Autorità dei trasporti: qui comanda la politica [Transportation Authority: Politics Rule], www.lavoce.info, 6 August 2013.

University Dropouts: Supply-side Issues in Italy (with Lara Gitto and Luisa Monaco), MPRA Paper No. 56656, September 2012. Available at <http://mpra.ub.uni-muenchen.de/56656/>.

Aeroporto Sanzio: quale futuro [Sanzio Airport: What future?] (with Andrea Mosconi), *Realtà industriale*, no. 10(October), 2011.

Essays on Optimal Spectrum Management for Expanding Wireless Communications, Coventry (UK): University of Warwick, Warwick Business School, 2011. PhD thesis supervised by prof. Martin Cave, OBE. Dissertation committee: prof. Gérard Pogorel; prof. Gregory Crawford; prof. Qing Wang.

Un agente senza un (vero) principale: la magistratura in Italia [An Agent without a (Real) Principal: the Italian Judiciary] (with Diego Piacentino), mimeo, University of Macerata, July 2010.

Alitalia: la riorganizzazione non può attendere [Alitalia: Its Reorganization Can Not Be Delayed] (with Diego Piacentino), www.lavoce.info, 27 June 2008.

New Spectrum-Using Technologies and the Future of Spectrum Management: A European Policy Perspective (with Martin Cave), paper for ThinkTel, 2006.

Spectrum Management and Technological Change (with Martin Cave), paper for ThinkTel, 2005.

Le privatizzazioni degli enti locali: quale ratio? [Local Governments' Privatizations: Which Rationale?] (with Diego Piacentino), seminar paper, Rome, Università "La Sapienza", School of Economics, 2004.

Economic Effects of Discretionary Powers on Accountability in the Bookkeeping of Regulated Enterprises, Rotterdam, Erasmus University-Rotterdam Institute of Law and Economics, 2003. Available at http://www.emle.org/index_org.html.

RESEARCH IN PROGRESS

"Incentives Facing Local Governments in the Absence of Full Information and Credible Enforcement" (with Annalisa Vinella), to appear in *Multi-level Finance and the Euro Crisis — Causes and Effects*, E. Ahmad, M. Bordignon and G. Brosio (Eds.), *forthcoming*.

Airport competition, two-sided markets and regulation (with Diego Piacentino).

La riforma della giustizia in Italia: perché e come iniziare dal Consiglio superiore della magistratura [The reform of justice in Italy: why and how its *Consiglio superiore della magistratura* should be the starting point] (with Diego Piacentino).

RESEARCH AND PROFESSIONAL EXPERIENCE RECORD (SELECTED WORK)

Spectrum management training program, Module SMTP OM-4 on "Economic and market tools for spectrum management", International Telecommunication Union-Radiocommunication Bureau, ITU Academy, (with Martin Cave), 2014.

Research project on "Techno-economic regulatory framework for radio spectrum access for cognitive radio/software defined radio (TERRA)"; *member of the Management Committee and Chair of WG4* on "Impact assessment of CR/SDR regulation"; European Cooperation in Science and Technology (COST), ICT Action IC0905, www.cost-terra.org, May 2010 – April 2014.

Study on the future of spectrum usage rights and wireless licensing in an increasingly competitive environment, *team member*, International Telecommunication Union-Radiocommunication Bureau, 2007.

Research project on "Cost-benefit analysis of options for better functioning of the internal market in electronic communications", *team member*, European Commission-Information society and media Directorate-general, 2007.

Study on spectrum policy options, *team member*, Department of communications information technology and the arts (DCITA), Australia, 2006.

Research project on "Spectrum policies and radio technologies viable in emerging wireless societies (SPORTVIEWS)", *team member*, European Commission-Information society and media Directorate-general, 2006.

Research on price regulation of public utility industries, *junior consultant*, Ministry of economics and finance-NARS, Italy, 2004-2005.

TEACHING

Università di Macerata – School/ Department of Law (since academic year 2004/05): courses in *Public economics and finance*.

Università di Macerata – Department of Economics and Law (since academic year 2014/15): course in *Topics of applied economics*.

Università di Macerata – School/ Department of Law (academic years 2011/12 to 2013/14): course in *Fundamentals of planning and administration of services: Management of profit and not-for-profit organisations*.

Università di Macerata - Inter-university School for Specialization in Higher Education (academic years 2006/07 to 2007/08): course in *Teaching public economics and finance*.

Università di Macerata - School of Political Sciences (academic year 2005/06): course in *Accountancy for the public sector*.

Università di Urbino “Carlo Bo” - School of Law (academic years 2004/05 to 2006/07): course in *Public economics and finance*.

Università di Urbino “Carlo Bo” - School of Law (academic year 2004/05): lectures on evaluation of investment projects in the public sector, for the course in *Microeconomics*.

Luiss “Guido Carli”, Rome - School of Economics (academic years 2003/04, 2004/05, 2010/11): teaching assistant in *Public economics and finance*.

ADDITIONAL INFORMATION

Reviewer for: *European Journal of Law and Economics*; *Telecommunications Policy*; *Technological and Economic Development of Economy*; *ICT 2014*; *IEEE / PIMRC*; *Economia pubblica/The Italian Journal of Public Economics*; *Communications and Strategies*.

Member of the ICT 2014 technical committee.

Member of the PIMRC 2013 technical committee

Language skills:

- Italian – mother tongue;
- English – fluent;
- German – basic knowledge.