

# Curriculum Vitae

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## Néstor Duch-Brown

Universitat de Barcelona  
Department of Public Economics  
Av. Diagonal 690  
08034 Barcelona  
Spain

Phone: (+34) 934020414  
Fax: (+34) 934021813  
e-mail: nduch@ub.edu

**Nationality:** Spanish/Mexican

**Languages:** Spanish (mother tongue); English (fluent), French (fluent) and Catalan (fluent); Italian (basic).

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### EDUCATION

- 2004 PhD in Economics – Universitat de Barcelona
- 1997 MSc in Local and Regional Development – Universitat de Barcelona-FBG-Les Heures
- 1994 Postgraduate Diploma in Econometrics – Instituto Tecnológico Autónomo de México
- 1993 BA in Economics – Universidad Autónoma Metropolitana, Mexico

**Fields of specialization:** industrial organization, spatial economics, education economics, energy economics, public policy evaluation.

### PROFESSIONAL EXPERIENCE

- 2012-2014 Senior Researcher, Institute for Prospective Technological Studies, Seville Spain
- 2000-present Associate Lecturer, Universitat de Barcelona, Barcelona, Spain [On leave @ IPTS]
- 2009-2010 Researcher, IEB Foundation, Barcelona, Spain
- 2005-2012 Researcher, CYD Foundation, Barcelona, Spain
- 1997-2004 Associate Lecturer, CDES Abat Oliba, Barcelona, Spain
- 1993-1994 Junior Analyst, Ministry of Trade and Industry, Mexico City, Mexico
- 1992-1993 Research Assistant, Universidad Autónoma Metropolitana, Mexico City, Mexico
- 1991-1992 Internship, Banco Internacional SNC, Mexico City, Mexico

## RELEVANT PUBLICATIONS

### Peer reviewed papers (in JCR journals):

- 2014 The Spanish Defence Industry: an introduction to the special issue. *Defence and Peace Economics* (accepted for publication, forthcoming). (With A. Fonfría).
- 2014 Market structure and technical efficiency of Spanish Defense contractors. *Defence and Peace Economics* (accepted for publication, forthcoming). (With A. Fonfría and E. Trujillo).
- 2014 Explaining Export Performance in the Spanish Defense Industry. *Defence and Peace Economics* (accepted for publication, forthcoming). (With A. Fonfría).
- 2013 Student Graduation in Spain: To what extent does university expenditure matter? *Research in Higher Education* (accepted for publication, forthcoming). (With Javier García-Estevez).
- 2011 Productive efficiency and regulatory reform: the case of vehicle inspection services. *Revista de Economía Aplicada*, n. 55, vol. XIX, pp. 33-59. (with F. Trillas and D. Montolio).

### Peer reviewed papers (in SCOPUS journals):

- 2013 Social efficiency of tertiary lifelong learning. First insights from a European research project. *International Review of Education* (accepted for publication, forthcoming). (With K. Krüger, M. Parellada, M. Osborne, M. Mariani and L. Jiménez).
- 2012 Assessing the assignation of public subsidies: Do the experts choose the most efficient R&D projects? *World Review of Science, Technology and Sustainable Development*, vol. 9, n. 2/3/4, pp. 149-168. (with J.García-Quevedo and D. Montolio).
- 2010 A comparison of the economic and environmental performances of conventional and organic farming: Evidence from financial statements. *Agricultural Economics Review*, vol. 11, n. 1, pp. 69-86. (With J. M. Argilés)
- 2009 Evaluating the impact of public subsidies on a firm's performance: a two-stage quasi-experimental approach. *Investigaciones Regionales*, n.16, pp. 143-168. (With D. Montolio and M. Mediavilla)
- 2009 Job supply and demand for university graduates in Spain. A (relative) mismatch perspective. *Industry and Higher Education*, 23-1, pp. 29-38. (With M. Parellada and M. Alvarez).
- 2007 The empirics of spatial competition: Evidence from European regions. *Italian Journal of Regional Science*, 6-1, pp. 35-60.

### Submitted papers:

R&D drivers and obstacles to innovation in the energy industry (with M. T. Costa and J. García-Quevedo) **submitted to Energy Economics**.

Economies of scale and scope of university research and technology transfer: a flexible multi-product approach (with J. L. Polo and M. Parellada) **submitted to Bulletin of Economic Research.**

Do universities affect firms' location decisions? Evidence from Spain (with J. García-Estevez and M. Parellada) **submitted to Regional Studies.**

Can better governance increase university efficiency? (with M. Vilalta) **submitted to Global Economic Review**

Strategic complementarities in R&D: enhancing absorptive capacity through university-industry cooperation (with D. Jiménez-Aristizábal and J. L. Polo) **submitted to Journal of Economics and Management Strategy**

How strong are the effects of University-Industry cooperation on the firms' innovative performance? (with J. L. Polo) **submitted to Industry and Innovation**

On the effects of University-Industry interactions (with J. García-Estevez and M. Parellada) **submitted to International Journal of Innovation Management**

#### **Books:**

- 2012            **Social effectiveness of Tertiary Lifelong Learning.** With Karsten Krueger. Barcelona and Oldenburg. Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Spain License (available at: <http://www.themp.eu>)
- 2009            **Integración de mercados** (Market integration). With R. Ribera, P. Cortadas, A. Puig and F. González. Editorial UOC (in Spanish).
- 2006            **Economía, Mercados y Conducta** (Economics, markets and conduct). With J. Lladós, M. Oliva, P. Cortadas, F. López and X. Ponce. Editorial UOC (in Spanish).
- 2003            **Economía Industrial. Un enfoque estratégico** (Industrial Economics. A strategic approach). With Juan Fernandez de Castro. McGraw-Hill (in Spanish).

#### **Chapters in books:**

- 2013            *Comercio internacional de material de Defensa* (International trade of defense-related material) in Fonfría, A. and C. Pérez Forniés (Eds.) *Lecciones de Economía de la Defensa.* Editorial Aranzadi (in Spanish).
- 2009            *Efectos microeconómicos de la integración de mercados* (Microeconomic effects of market integration) in Ribera, R. (coord) *Integración de mercados.* Editorial UOC (in Spanish and Catalan).
- 1999            *Modern corporations and the public interest* in Michie, J. (ed) *A Game of two halves: the reorganisation of football.* Cambridge University Press. (with R. Branston, R. Sugden, J. Michie, K. Cowling).
- 1998            *Localización industrial (Industrial Location)* in Mella, J.M (coord) *Economía y Política Regional en España ante la Europa del siglo XXI.* (Regional Economics and Policy in Spain towards 21<sup>st</sup> century Europe) Ed. Akal. (with María Teresa Costa, in Spanish).

## OTHER PUBLICATIONS

### **Working Papers:**

#### **Barcelona Institute of Economics Working papers:**

[2013/023]: R&D drivers and obstacles to innovation in the energy industry. Maria Teresa Costa-Campi, Néstor Duch-Brown, José García-Quevedo

[2012/004]: Student graduation: to what extent does university expenditure matter? Javier García-Estévez, Néstor Duch-Brown

[2011/012]: The link between public support and private R&D effort: what is the optimal subsidy? Néstor Duch-Brown, José García-Quevedo, Daniel Montolio

[2011/007]: Do universities affect firms' location decisions? Evidence from Spain. Néstor Duch, Javier García-Estévez

[2011/006]: Universities and regional economic growth in Spanish regions. Néstor Duch, Javier García-Estévez, Martí Parellada

[2010/052]: Can better governance increase university efficiency? Néstor Duch-Brown, Montserrat Vilalta

[2010/051]: Economies of scale and scope of university research and technology transfer: a flexible multi-product approach. Néstor Duch-Brown, Martí Parellada-Sabata, Jose Polo-Otero

[2008/009]: The economic impact of the Spanish public university system. An analysis for the period 1998-2004. Néstor Duch, Javier García Estevez, Martí Parellada

[2008/005]: Assessing the assignation of public subsidies: Do the experts choose the most efficient R&D projects? Néstor Duch-Brown; José García-Quevedo; Daniel Montolio

[2007/008]: A comparison of the economic and environmental performances of conventional and organic farming: Evidence from financial statements. Josep M<sup>a</sup> Argilés; Néstor Duch Brown

[2007/003]: Evaluating the impact of public subsidies on a firm's performance: A quasi-experimental approach. Néstor Duch; Daniel Montolio; Mauro Mediavilla

[2006/003]: Productive efficiency and regulatory reform: The case of vehicle inspection services. Francesc Trillas; Daniel Montolio; Néstor Duch

[2005/006]: Vertical linkages, agglomeration and the organization of production in European regions. Néstor Duch

[2000/004]: Determinantes de la innovación y efectos sobre la competitividad: el caso de las empresas textiles. Maria Teresa Costa; Néstor Duch; Josep Lladós

#### **University of Barcelona, Faculty of Economics and Business Working papers:**

E08/207 (2008) Assessing the assignation of public subsidies: Do the experts choose the most efficient R&D projects? Néstor Duch-Brown, José García-Quevedo, Daniel Montolio

E07/181 (2007) Evaluating the Impact of Public Subsidies on a Firm's Performance: a Quasi-experimental Approach. Néstor Duch Brown, Daniel Montolio Estivill, Mauro Mediavilla

E06/150 (2006) The empirics of spatial competition: Evidence from European regions. Néstor Duch Brown

**Applied Economics Network (XREAP) Working Papers:**

XREAP2011-09: The link between public support and private R&D effort: What is the optimal subsidy? Duch-Brown, N. (IEB); García-Quevedo, J. (IEB); Montolio, D. (IEB)

XREAP 2008-12: Assessing the assignation of public subsidies: Do the experts choose the most efficient R&D projects? Duch-Brown, N. (IEB); García-Quevedo, J. (IEB); Montolio, D. (IEB)

XREAP2007-07: Evaluating the Impact of Public Subsidies on a Firm's Performance: A Quasi-Experimental Approach Néstor Duch (IEB); Daniel Montolio (IEB); Mauro Mediavilla

CREAP2006-02: Productive efficiency and regulatory reform: The case of vehicle inspection services. Francesc Trillas (IEB); Daniel Montolio (IEB); Néstor Duch (IEB)

**THEMP Project Discussion papers:**

WP2 - no.1 (2011) Social Vulnerability Management by Transitional Labour Markets. Karsten Krüger, Nestor Duch, Montse Álvarez

WP2 - no.2 (2011) Quality of work and life in Social Vulnerability Management. Karsten Krüger, Nestor Duch, Montse Álvarez

WP2 - no.3. (2012) Capitals as resources in the labour markets. Karsten Krüger, Nestor Duch, Montse Alvaréz

WP4 - no.7 (2012) Mapping the Spanish Landscape of Tertiary Lifelong Learning. Montse Álvarez, Nestor Duch, Karsten Krüger, Laureano Jiménez, Alba Molas

**Chair on Markets and Industrial Policy Working Papers:**

Néstor Duch, Javier García and Elisa Trujillo (2010): Defense Economics in Spain: A survey of the literature. Chair on Markets and Industrial Policy Working Paper n. 2.

Néstor Duch, Javier García and Elisa Trujillo (2011): Human Capital Effects of Spanish Defence Expenditure. Chair on Markets and Industrial Policy Working Paper n. 3.

Néstor Duch, Javier García and Elisa Trujillo (2011): Modeling the Interdependence between Defence Spending, Private R&D Expenditure and Human Capital in Spain. Chair on Markets and Industrial Policy Working Paper n. 4.

**CIDEM Working Papers**

Néstor Duch (2006): Posició competitiva i estratègies de les empreses catalanes. Anàlisi del Programa CREIXER 2003-2005. CIDEM Col·lecció Documents de Treball núm. 6.

M. Parellada, Néstor Duch, Daniel Montolio (2005): Avaluació de les polítiques públiques de suport a la indústria a Catalunya. CIDEM Col·lecció Documents de Treball núm. 1

### **No peer reviewed publications**

Néstor Duch, Javier García and Martí Parellada (2008): El impacto económico del sistema universitario público español. Un análisis para el período 1998-2004. *Cuadernos de Información Económica* n. 203, pp. 77-88. Fundación de las Cajas de Ahorros.

Néstor Duch (2008): La organización de la industria en Cataluña: el papel de los distritos industriales. *Boletín Económico de Información Comercial Española* n. 2952, pp. 73-82.

Martí Parellada and Néstor Duch (2006): Descentralización autonómica y sistema universitario. *Mediterráneo Económico* núm 10, pp. 405-426.

Néstor Duch and José García Quevedo (2006): L'avaluació de les polítiques industrials i tecnològiques. *Revista Econòmica de Catalunya* núm 54, pp. 111-119.

Néstor Duch (2005): Especialització regional i concentració industrial a la UE. *Revista Econòmica de Catalunya* núm 52, pp. 49-62.

Martí Parellada and Néstor Duch (2005): La Universitat de Vic i el seu impacte en el territori. *Coneixement i Societat* n. 7, pp. 28-51.

Ma. Teresa Costa and Néstor Duch (2005): La renovación del sector textil-confección en España. Proceso de ajuste y contenido tecnológico. *Revista de Economía Industrial* n. 355-356, pp. 263-272.

### **Technical and non-technical reports:**

M. Parellada (Dir.) Álvarez, M.; Duch, N.; J. García-Estevez (2013): Informe CYD 2012. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

M. Parellada (Dir.) Álvarez, M.; Duch, N.; (2012): Informe CYD 2011. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

M. Parellada (Dir.) Álvarez, M.; Duch, N.; J. Polo-Otero (2011): Informe CYD 2010. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

M. Parellada (Dir.) Álvarez, M.; Duch, N.; J. Polo-Otero (2010): Informe CYD 2009. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

A. Garrido and Néstor Duch (Dirs.) (2010): Memòria Econòmica de Catalunya 2009. Cambra de Comerç Indústria i Navegació de Barcelona, Barcelona.

Néstor Duch and Javier García (2009): El mercat de treball de la província de Barcelona segons les dades de l'Enquesta de condicions de vida i hàbits de la població. Informe Territorial de la Província de Barcelona 2009. Cambra de Comerç de Barcelona i Diputació de Barcelona, Barcelona.

M. Parellada (Dir.) Álvarez, M.; Duch, N.; J. Polo (2009): Informe CYD 2008. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

A. Garrido and Néstor Duch (Dirs.) (2009): Memòria Econòmica de Catalunya 2008. Cambra de Comerç Indústria i Navegació de Barcelona, Barcelona.

Montserrat Álvarez, Cristina Amarelo, Néstor Duch, Christian Palau, Martí Parellada, José Polo, Javier Roldán (2008): El mercado laboral español. Informe Fundación CYD-Infojobs 08. Infojobs, S. A.

Martí Parellada and Néstor Duch (2008): L'estructura de l'economia catalana a partir de la taula input-output de Catalunya 2001 a 122 sectors. Departament d'Economia i Finances, Generalitat de Catalunya.

Néstor Duch, José García and Jose Polo (2008): Les estratègies empresarials a Catalunya 2005. Observatori de Prospectiva Industrial - Secretaria d'Indústria i Empresa, Generalitat de Catalunya.

M. Parellada (Dir.) Álvarez, M.; Castells, C., Del Palacio, I., Duch, N.; García Quevedo J. (2008): Informe CYD 2007. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

A. Garrido and Néstor Duch (Eds.) (2008): Memòria Econòmica de Catalunya 2007. Cambra de Comerç Indústria i Navegació de Barcelona, Barcelona.

Montserrat Álvarez, Cristina Amarelo, Néstor Duch, Laura Lara, Christian Palau, Martí Parellada (2007): El mercado laboral español. Informe Fundación CYD-Infojobs 07. Infojobs, S. A.

M. Parellada (Dir.) Álvarez, M.; Del Palacio, I., Duch, N.; García Quevedo J.; Palomar, A. (2007): Informe CYD 2006. La contribución de las Universidades españolas al desarrollo. Fundación CYD.

M. Parellada and Néstor Duch (Dir.) (2007): Memòria Econòmica de Catalunya 2006. Cambra de Comerç Indústria i Navegació de Barcelona.

M. Parellada and Néstor Duch (Dir.) (2006): Memòria Econòmica de Catalunya 2005. Cambra de Comerç Indústria i Navegació de Barcelona.

Néstor Duch (2006): La eficiencia de las universidades españolas. En Parellada (Dir.) Informe CYD 2005. La contribución de las universidades españolas al desarrollo. Fundación CYD, Barcelona.

M. Parellada (Dir.) Álvarez, M.; Castells, P., Del Palacio, I., Duch, N.; García, G., García Quevedo J.; Palomar, A. (2005): Informe CYD 2005. La contribución de las Universidades españolas al desarrollo. Fundación CYD, Barcelona.

Néstor Duch (2005): Polítiques de desenvolupament local a la Província de Barcelona. Informe Territorial de la Província de Barcelona 2005. Cambra de Comerç de Barcelona i Diputació de Barcelona.

## **CONFERENCES (las 6 years only)**

### **National**

XVI Encuentro de Economía Aplicada, Granada

VIII Congreso de la Asociación Española para la Economía Energética, Valencia

XXVI Jornadas de Economía Industrial, Valencia

XI Encuentro de Economía Aplicada, Salamanca

XXXIV Reunión de Estudios Regionales, Jaén

XXIII Jornadas de Economía Industrial, Reus

### International

International Workshop on Evaluating Innovation Policy. EUNIP, Florence (Italy)  
Fifteenth Annual Conference on Economics and Security, Bristol (United Kingdom)  
International Conference on Defence Economics, Wuhan (China)  
51st Congress of the European Regional Science Association (ERSA), Barcelona (Spain)  
European Network on Industrial Policy International Conference, Reus (Spain)  
8th IIOC Annual conference, Vancouver (Canada)  
European Regional Science Association (ERSA), Jonköping (Sweden)  
The European Network on Industrial Policy (EUNIP), San Sebastián (Spain)  
Second Transnational NESOR Conference, Lodz (Poland)  
11th European Network on Industrial Policy (EUNIP), San Sebastián (Spain)  
R&D Management Conference, Ottawa (Canada)

### PROFESSIONAL MEMBERSHIP

Spanish Regional Science Association (AEER)  
European Network for Research in Industrial Economics (EARIE)

### THESES SUPERVISED

#### PhD

- 2012 Jose Polo Otero: **Essays in the Economics of Technology Transfer**. PhD Program in Economics, University of Barcelona
- 2012 Carlos Díaz Wright: **ICT adoption in manufacturing. The case of Cartagena, Colombia**. PhD program in the Information Society, Open University of Catalonia
- 2013 Javier García-Estevez: **Essays in the contribution of Universities to regional development**. PhD program in Economics, University of Barcelona.

#### Master

- 2010 Hector Sandoval: **Pricing telecom services. Does quality of the service matter?** Master in Economics and Regulation of Public Services, University of Barcelona
- 2011 Rodrigo Alcazar: **Is Bundling anti-competitive? Evidence from telecommunication services in Europe**. Master in Economics and Regulation of Public Services, University of Barcelona
- 2012 Julio García: **Regulatory enforcement in Mexico. An institutional perspective**. Master in Economics and Regulation of Public Services, University of Barcelona

### TEACHING EXPERIENCE

I have more than 15 years teaching experience in subjects as: international economics, introductory microeconomics, intermediate microeconomics, introductory macroeconomics, intermediate macroeconomics, industrial organization, applied industrial organization, introduction to regulatory economics (MSc), European integration, Spanish economy, Taxation, European regional economies, regional economics (PhD).

### REFEREEING AND EDITORIAL SERVICES

Italian Journal of Regional Science, Investigaciones Regionales, Revista Economica de Cataluña, Investigaciones Economicas, Cuadernos De Economia, Economics Bulletin, Hacienda Pública Española, Information Technology and Management, Regional Studies.

Guest Editor for a Special Issue on the Spanish Defence Industry, Defence and Peace Economics.