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Email: emili.grifell@uab.cat**EMPLOYMENT***Primary Position*

- 1997 – Present. Full Professor (Catedrático) of Management and Business Economics, Department of Business, Universitat Autònoma de Barcelona.

Previous Positions

- 1989-1997. Associate Professor of Management and Business Economics, Department of Business, Universitat Autònoma de Barcelona (Spain).
- 1982-1989. Assistant Professor (it includes different categories in the Spanish University system), Department of Business, Universitat Autònoma de Barcelona (Spain).
- 1979-1982. Assistant Research, Department of Business, Universitat Autònoma de Barcelona (Spain).

VISITING APPOINTMENTS*Visiting (four or more weeks)*

- Sep2014-Nov2014. Visiting Professor, University of Queensland (Australia).
- Jun214-Aug2014. Visiting Professor, University of Queensland (Australia).
- Oct2012-Nov2012. Visiting Professor, University of Queensland (Australia).
- Nov2011-Dec2011. Visiting Professor, University of Queensland (Australia).
- Jul2011. Visiting Professor, University of Queensland (Australia).
- Nov2009-Dec2009. Visiting Professor, University of Queensland (Australia).
- Jul2009-Aug2009. Visiting Professor, University of Queensland (Australia).
- Jan2009-Feb2009. Visiting Professor, University of Queensland (Australia).
- Sep2007 – Dec2007. Visiting Professor, University of Queensland (Australia).
- Nov2006- Dec2006. Visiting Professor, University of Queensland (Australia).
- Jul2006-Aug2006. Visiting Professor, University of Georgia at Athens (USA).
- Feb2006-Apr2006. Visiting Professor, University of Queensland (Australia).
- Mar2004-Apr2004. Professeur Invité, L'Université Charles de Gaulle–Lille III (France).
- May1999-Sep1999. Visiting Professor, University of New South Wales (Australia).
- Jan1998– Feb1998, Visiting Professor, University of Georgia (USA).
- Sep1992-Oct1993. Visiting Scholar. University of North Carolina (USA).

Short visits

- Visiting Professor, University of Queensland (Australia), August 14 – 31, 2017.
- Visiting Professor, CORE, Université Catholique de Louvain (Belgium), February 9 – 27, 2015.

- Visiting Professor, CORE, Université Catholique de Louvain (Belgium), June 8 – 10, 2009.
- Visiting Professor, University of Georgia (USA), February 15 – 27, 2005.
- Visiting Professor, University of Georgia (USA), September 6 – 19, 2004.
- Visiting Professor, University of Georgia (USA), May 8 – 19, 2004.
- Visiting Professor, University of Georgia (USA), July 28 – August 3, 2003.
- Visiting Professor, University of Georgia (USA), September 9 – 20, 2002.
- Visiting Professor, University of Georgia (USA), February 7 – 11, 2002.
- Visiting Lecturer, University of Georgia (USA), April 21 – 28, 2001.
- Visiting Professor, CORE, Université Catholique de Louvain (Belgium), June 5 – 8, 2000.
- *Conférencier Ordinaire*, Université de Liege (Belgium), April 19 -25, 1999.
- Visiting Professor, University of Georgia (USA), 14 - 25 April, 1995.

EDUCATION

- PhD. in Business Economics, Universitat Autònoma de Barcelona, Barcelona, Spain (26/01/1988). Dissertation: “*La Mesura de la Productivitat en un Context a Curt Termini*”; Supervisor: Enric Genescà Garrigosa. Prize for best Thesis.
- B.A. in Economics and Business, Universitat Autònoma de Barcelona, Spain (1979).

TEACHING EXPERIENCE

Undergraduate	Operations Research, Business Economics, Managerial Economics, Finance, Management, Industrial Economics, Business Strategy.
Graduate	Efficiency and Productivity Analysis, Management, Applied Microeconomics, Strategic Management, Industrial Economics.
Master’s	Efficiency and Productivity Analysis, Applied Microeconomics, Industrial Economics, Business Performance.

MAIN RESEARCH FIELDS

- Efficiency and Productivity Analysis, Business Performance, Productivity Accounting, Business Strategy, Industrial Organization and Regulation, Management, Managerial Economics.

UNIVERSITY DUTIES

- From 1/01/2011 to 31/12/2013, *Head of the Department of Business*, Universitat Autònoma de Barcelona.
- From 16/12/2011 to 31/12/2013, member of the *Commission of Economic Affairs*, Universitat Autònoma de Barcelona.
- From 1/01/2011 to 9/10/2013, member of the *Commission of Transference of Knowledge*, Universitat Autònoma de Barcelona.
- From 1/02/1990 to 25/06/1992, Vice-Dean of the Faculty of Business and Economics, Universitat Autònoma de Barcelona.
- From January 2008 to June 2013, *Academic Director* program “*Doctorate in Economics Management and Organization*” (DEMO) of three universities Universitat Autònoma de Barcelona, Universidad Pública de Navarra and Universitat Illes Balears.
- From September 2009 to March 2013, *Academic Director* of the research master “*Master in Management, Organization and Business Economics*” (MMOBE).
- Adviser to the Rector of the University of Girona: 1995 – 1997.

PUBLIC POLICY SERVICES

Independent evaluation agencies

- From 01/04/2017 to 31/03/2021, member of “Comissió d’Avaluació de la Recerca” (CAR), *Agència per a la Qualitat del Sistema Universitari de Catalunya* (AQU).
- From 01/09/2019 a 31/12/2020. Acting President of the independent commission for the evaluation of research in the Catalan university system “Comissió per a l’Acreditació de Recerca Avançada de l’Àmbit de Ciències Social” *Agència per a la Qualitat del Sistema Universitari de Catalunya* (AQU).
- From 15/03/2016 a 14/03/2020, member of the independent commission for the evaluation of research in the Catalan university system “Comissió per a l’Acreditació de Recerca Avançada de l’Àmbit de Ciències Social” *Agència per a la Qualitat del Sistema Universitari de Catalunya* (AQU).
- From 27/04/2015 to 14/03/2020, member of the “Comissió de Professorat Lector i Professorat Col·laborador de l’àmbit de Ciències Socials,” *Agència de la Qualitat Universitaria de Catalunya* (AQU).
- From 1/02/2006 to 31/01/2011. Coordinador Adjunto del Área de Economía. *Agencia Nacional de Evaluación y Prospectiva* (ANEP).
- 2001 - 2002. Coordinador Adjunto del Área de Economía, *Agencia Nacional de Evaluación y Prospectiva* (ANEP).

Research Committees

- 2005. Member of the Evaluation Committee for the Allocation of Research Grants, Spanish Ministry of Science and Technology.
- 2004. Member of the Evaluation Committee for the Allocation of Research Grants, Spanish Ministry of Science and Technology.
- 2002. Expert Member. Comisión de Evaluación del *Programa Ramón y Cajal*, Área de Economía.

Publications: BOOKS

- Grifell-Tatjé, E., Lovell, C.A.K. (2015), *Productivity Accounting: The Economics of Business Performance*. Cambridge University Press: New York, 393 pages.
ISBN 978-0-521-88353-5 Hardback; ISBN 978-0-521-70987-3 Paperback.
Information on this title. Cambridge University Press: www.cambridge.org/9780521883535;
UAB library: <http://www.bib.uab.cat/socials/exposicions/productivityaccounting>

Editor: BOOKS

- Grifell-Tatjé, E., Lovell, C.A.K., Sickles., R. (2018). *The Oxford Handbook of Productivity Analysis*. Oxford University Press: New York. (856 pages) ISBN: 9780190226718.
Information on this title.
Oxford University Press: <http://www.oxfordhandbooks.com/page/economics>
UAB library: <https://ddd.uab.cat/pub/expbib/2018/200221/productivityanalysis/index.html>

Editor: JOURNALS

- Grifell-Tatjé, E., Lovell, C.A.K. *Business Research Quarterly*, “Special Issue New Frontiers for Productivity Research in Management and Business.”

Publicatons: BOOK CHAPTERS

- Grifell-Tatjé, E., Lovell, C.A.K., Sickles. R. 2018, “Chapter 1. Overview of Productivity Analysis: History, Issues and Perspectives,” in Grifell-Tatjé, E., Lovell, C.A.K., Sickles,

R. (editors). *The Oxford Handbook of Productivity Analysis*. New York: Oxford University Press, pp. 3-76.

- Grifell-Tatjé, E., Lovell, C.A.K., 2018, "Chapter 9. Productivity and Financial Performance," in Grifell-Tatjé, E., Lovell, C.A.K., Sickles, R. (editors). *The Oxford Handbook of Productivity Analysis*. New York: Oxford University, pp. 329-358.
- Grifell-Tatjé, E., Lovell, C.A.K., 2016, "Exact Relationship between Fisher Indexes and Theoretical Indexes." in Aparicio, J., Lovell, C.A.K., and Pastor, J.T. (ed.), *Advances in Efficiency and Productivity*. Berlin: Springer, pp. 97-120.
[Working Paper WP06/2015, CEPA. University of Queensland (Australia)]
- Grifell-Tatjé, E., Calleja Blanco, J., 2016, "Potential Coopetition and Productivity among European Automobile Plants." in Aparicio, J., Lovell, C.A.K., and Pastor, J.T. (ed.), *Advances in Efficiency and Productivity*. Berlin: Springer, pp. 249-274.
- Blázquez Gómez, L., Brea-Solís, H., Grifell-Tatjé, E., 2014, "The Impact of Changes in Regulatory Regime on Productivity of Spanish Electricity Distribution Firms," in A. Estache, (ed.), *"Emerging Issues in the Economics Energy Policy"*. London: Centre for Economic Policy Research (CEPR). CEPR press, pp. 113-137.
- Grifell-Tatjé, E., Lovell, C.A.K., 2013, "Advances in Cost Frontier Analysis of the Firm," Chapter 4 in C.R. Thomas and W. Shughart II (ed.), *Oxford Handbook in Managerial Economics*. New York: Oxford University Press, pp. 66 – 88.
- Grifell-Tatjé, E., Lovell, C.A.K. 2004, "Farrell's Technical Efficiency Measurement," entry in the *An Eponymous Dictionary of Economics: A Guide to Laws and Theorems Named after Economists*, J. Sedura, J., Rodriguez Braun, C., (ed.) Chentelham: Edward Elgar.

Reprinted papers

- Grifell-Tatjé, E., Lovell, C.A.K. 2001, "Deregulation and Productivity Decline: the Case of Spanish Savings Bank," in M.J.B. Hall (ed.) in *The Regulation and Supervision of Banks: Volume IV Regulation and Efficiency in Banking*. International Library of Critical Writings in Economics, Edward Elgar Publishing. [Published in 1996 in the *European Economic Review* 40(6), June, pp. 1281 – 1303].

Publications: JOURNAL ARTICLES

International Journals:

- Grifell-Tatjé, E., C.A.K Lovell, 2021, "Dual Productivity Analysis: A Konüs/Shephard Approach," *European Journal of Operations Research* 289 (1), 328-337. (<https://doi.org/10.1016/j.ejor.2020.06.037>)
- Brea-Solís, H., Grifell-Tatjé, E., 2019, "A Business Model Analysis of Kmart's Downfall", *International Journal of Retail & Distribution Management* 47(2), 111-128. [DOI: [10.1108/IJRDM-10-2018-0218](https://doi.org/10.1108/IJRDM-10-2018-0218)]
- Grifell-Tatjé, E., C.A. Lovell and P. Turon, 2018, "The Business Foundations of Social Economic Progress," *Business Research Quarterly* (Special Issue in New Frontiers for Productivity Research in Management and Business) 21 (4), 278 - 292.
- Grifell-Tatjé, E., C.A.K Lovell, 2018, "Editor's Note. Special Issue" *Business Research Quarterly* (Special Issue in New Frontiers for Productivity Research in Management and Business) 21(4), 213-214.
- Agrell, P. and E. Grifell-Tatjé, 2016, "A Dynamic Model for Firm-Response to Non-Credible Incentive Regulation Regimes," *Energy Policy* 90 (March), 287-299. (DOI: [10.1016/j.enpol.2015.12.029](https://doi.org/10.1016/j.enpol.2015.12.029)).
- Brea-Solís, H., Casadesus-Masanell, R., Grifell-Tatjé, E., 2015, "Business Model Evaluation: Quantifying Walmart's Sources of Advantage," *Strategic Entrepreneurship Journal* (Special issue on Business Models) 9(1), 12 - 33 (lead article). (DOI: [10.1002/sej.1190](https://doi.org/10.1002/sej.1190))

[Working Paper Harvard Business School, 13-039 (2012). Harvard University (US)].

- Grifell-Tatjé, E., Lovell, C.A.K., 2014, “Productivity, Price Recovery, Capacity Constraints and their Financial Consequences,” *Journal of Productivity Analysis* 41(1), 3 – 17. (lead article).
[Working Paper WP03/2012, CEPA. University of Queensland (Australia)]
- Estache, E., Grifell-Tatjé, E., 2013, “How (un) even was the distribution of the impacts of Mali’s water privatization across stakeholders?” *Journal of Development Studies* 49(4), April, 483-499.
- Tortosa-Ausina, E., Armero, C., Conesa, D., Grifell-Tatjé, E., 2012. “Bootstrapping Profit Change: An Application to Spanish Banks,” *Computers & Operations Research* 39(8), 1857-1871 (Special Issue: Advances of Operations Research in Service Industry).
- Blázquez Gómez, L., Grifell-Tatjé, E., 2011. “Evaluating the Regulator: Winners and Losers in the Regulation of Spanish Electricity Distribution,” *Energy Economics* 33(5), 807-815.
- Brea-Solís, H., Grifell-Tatjé, E., Lovell, C.A.K., 2011. “Testing the Product Test,” *Economics Letters* 113(2), 157-159.
[Working Paper WP07/2010, CEPA. University of Queensland (Australia)]
- Arocena, P., Blázquez Gómez, L., Grifell-Tatjé, E., 2011. “Assessing the consequences of restructuring reforms on firms performance,” *The Journal of Economic Policy Reform* 14(1), 21-39.
- Grifell-Tatjé, E., 2011. “Productivity and distribution: differences across organizational forms – The case of Spanish banks,” *Socio-Economic Planning Sciences* 45(2), 72 – 83.
- Kerstens, K., Grifell-Tatjé, E. 2008. Incentive Regulation and the Role of Convexity in Benchmarking Electricity Distribution: Economists versus Engineer. *Annals of Public and Cooperative Economics* 79(2), 227 – 248.
- Grifell-Tatjé, E., Marquès-Gou, P. 2008. Internal Performance Evaluation: The Case of Bank Branches. *Journal of Service Management (former International Journal of Service Industry Management)* 19(3), 302-324.
- Grifell-Tatjé, E., Lovell, C.A.K. 2008. Productivity at the Post: its Drivers and its Distribution,” *Journal of Regulatory Economics* 33(2), 133-158.
- Blázquez Gómez, L., Grifell-Tatjé, E. 2008. Multi-Output Compensation System in Electricity Distribution: The Case of Spain. *Hacienda Pública Española* 185(2), 115-149.
- Tortosa-Ausina, E., Armero, C., Conesa, D., Grifell-Tatjé, E. 2008. Sensitivity Analysis of Efficiency and Malmquist Productivity Indices: An Application to the Spanish Savings Banks. *European Journal of Operational Research* 184(3), 1062 – 1084.
- Grifell-Tatjé, E., Lovell, C.A.K. 2004. Decomposing the Dividend. *Journal of Comparative Economics* 32(3), 500 - 518.
- Grifell-Tatjé, E., Lovell, C.A.K. 2003. The Managers vs. the Consultants. *The Scandinavian Journal of Economics* 105(1), 119 – 138.
- Coelli, T., Grifell-Tatjé, E., Perelman, S. 2002. Capacity Utilisation and Profitability: A Decomposition of Short-Run Profit Efficiency. *International Journal of Production Economics* 79(3), 261-278.
- Fuentes, H., Grifell-Tatjé, E., Perelman, S. 2001. A Parametric Distance Function Approach for Malmquist Productivity Index Estimation. *Journal of Productivity Analysis* 15, 79-94.
- Grifell-Tatjé, E., Lovell, C.A.K. 2000. Cost and Productivity. *Managerial and Decision Economics* 21(1), 19 – 30.
- Grifell-Tatjé, E., Lovell, C.A.K. 1999. Profits and Productivity. *Management Science* 45 (9), 1177 – 1193. (lead article)
- Grifell-Tatjé, E., Lovell, C.A.K. 1999. Generalized Malmquist Productivity Index. *TOP. A Journal of the Spanish and Operations Research Society* 7(1), 81 – 101.

- Grifell-Tatjé, E., Lovell, C.A.K., Pastor, J.T. 1998. The Quasi-Malmquist Index. *Journal of Productivity Analysis* 1 (10), July, 7-20. (lead article).
- R. Färe, R., Grifell-Tatjé, E., Grosskopf, S., Lovell, C.A.K., 1997. Biased Technical Change and the Malmquist Productivity Index. *The Scandinavian Journal of Economics* 91(1), 119-127.
- Grifell-Tatjé, E., Lovell, C.A.K. 1997. The Sources of Productivity Change in Spanish Banking. *European Journal of Operational Research* 98(2), 364 - 380.
- Grifell-Tatjé, E., Lovell, C.A.K. 1997. A DEA - Based Analysis of Productivity Change and Intertemporal Managerial Performance. *Annals of Operations Research* 73 (In Honor de Abraham Charnes), 177 – 189.
- Grifell-Tatjé, E., Lovell, C.A.K. 1996. Deregulation and Productivity Decline: the Case of Spanish Savings Bank. *European Economic Review* (former *Journal of the European Economic Association*) 40 (6), 1281 – 1303.
[2001, reprinted in M.J.B. Hall (Editor) in *The Regulation and Supervision of Banks: Volume IV Regulation and Efficiency in Banking*. International Library of Critical Writings in Economics, Edward Elgar Publishing.]
- Grifell-Tatjé, E., Lovell, C.A.K. 1995. A Note on the Malmquist Productivity Index. *Economics Letters* 47(2), 169-175.
- Grifell-Tatjé, E., Prior, D., Salas, V. 1994. Eficiencia de Empresa y Eficiencia de Planta en los Modelos Frontera No-Paramétricos. Una aplicación a las Cajas de Ahorros Españolas. *Spanish Economic Review* (Revista Española de Economía) 11(1), 139-159.
- Grifell-Tatjé, E. 1994. Comments on: Validation and Generalization of DEA and its Uses. *TOP. A Journal of the Spanish Statistical and Operations Research Society* 2(2), 249-314.
- Genescà, E., Grifell-Tatjé, E. 1992. Profits and Total Factor Productivity Comparative Analysis. *Omega. The International Journal of Management Science* 20(5/6), 553-568. (lead article).

Spanish Journals:

Special mention

- Grifell-Tatjé, E., Marquès-Gou, P. 2005. El Riesgo en Dirección Estratégica: Evaluación del Desempeño Competitivo, *Cuadernos de Economía y Dirección de Empresas*, 22 (enero-marzo), 81 – 106.
- Grifell-Tatjé, E. 1998. Ventaja Competitiva y Diferencias de Rentabilidad: Un Enfoque Económico. *Cuadernos de Economía y Gestión de Empresas* 2, 173 – 202.
- Grifell-Tatjé, E. 1990. Aspectos Metodológicos Relacionados con la Medición, en Términos Absolutos, de la Productividad Total de los Factores. *Investigaciones Económicas* 14(3), 385-405.

Publications

- Grifell-Tatjé, E., Marquès-Gou, P. 2000. Riesgo Estratégico en el Sector Bancario Español. *Papeles de Economía Española* 84/85, 192 – 205.
- Grifell-Tatjé, E., Torrent, M. 1997. Contabilidad y Generación de Beneficios: Análisis del Sistema Bancario Español: 1987-1994. *Revista de Contabilidad y Tributación* 177(diciembre), 107 - 144.
- Grifell-Tatjé, E., Lovell, C.A.K. 1995. Estrategias de Gestión y Cambio Productivo en el Sector Bancario Español. *Papeles de Economía Española* 65, 174 – 185.
- Grifell-Tatjé, E., Lovell, C.A.K. 1994. Economías de Escala y Cambios en la Productividad: El Caso de las Cajas de Ahorro Españolas. *Perspectivas del Sistema Financiero* 48, 123-131.
- Genercà, E., Grifell-Tatjé, E. 1991. Càlcul de la Indicència de la Productivitat sobre la Quantia dels Beneficis. *Revista Econòmica de Catalunya* 18, 11-19.

- Genercà, E., Grifell-Tatjé, E. 1990. Análisis Operativo de las Propuestas Operativas para Medir la Productividad Total a Nivel de Empresa. *Economía Industrial* 272 (marzo-abril), 147-157.
- Genercà, E., Grifell-Tatjé, E. 1990. Adaptación de los Indicadores de Productividad Total para su Aplicación Empírica en Economía de la Empresa. *Economía Industrial* 273, 169-182.
- Genercà, E., Grifell-Tatjé, E., Obis, T. 1989. Evolució de l'Estructura dels Costos i el Finançament Empresarial. *Revista Econòmica de Catalunya*, (Special Issue), 169-247.
- Genercà, E., Grifell-Tatjé, E. 1986. Modificació dels Indicadors de Productivitat Total Quant es Considera el Mix de Productes i l'Ocupació de la Capacitat. *Revista Econòmica de Catalunya* 3 (September – December), 14-24.
- Grifell-Tatjé, E., Vergés, J.C. 1981. La Temática Española sobre el Medio Ambiente. *Ciudad Territorio. Revista de Ciencia Urbana* 2, 69-107.

Research Reports:

- Blázquez Gómez, L., Grifell-Tatjé, E. 2008. Evaluating the Regulator: Winners and Losers in the Regulation of Spanish Electricity Distribution (1988-2002), *Instituto de Estudios Fiscales. Papeles de Trabajo* 7/08, 56 pages.
- Grifell-Tatjé, E., Lovell, C.A.K. 2007. Profit, Productivity and Distribution: Differences Across Organizational Form. *Documentos de Trabajo* 27. Fundación BBVA.
- Arozena, P., Genescà, E., Grifell-Tatjé, E., Huerta, H., Villanueva, M. 2004. Innovacions Organitzatives a L'Empresa Industrial Catalana, in “*Informe Anual de l'Empresa Catalana, 2003*”, Generalitat de Catalunya (ISBN: 84-393-6562-4), 131 – 148.

COMPLETED AND UNPUBLISHED MATERIAL:

- (2019), “Assessing the Impact of University-Firm Collaboration on Innovation-Related Financial Performance”, Working Paper 2/2020 RUNIN The Role of Universities in Innovation and Regional Development [<https://doi.org/10.3990/4.2535-5686.2020.02>] (Sergio Manrique).
- (2019), “Output attributes and the relationship between competition and price dispersion: evidence from the US airline market”, (Charles Howell).
- (2019), “Directional slack-based decomposition of profit performance: An application in Chinese banks,” (Xiang Chen and Tsu-Tan Fu).
- (2018), “Organizational Restructuring and its Impact on Financial Performance”. (J. Calleja – Blanco).

COMPLETED AND PUBLISHED MATERIAL:

- (2019), “Dual Productivity Analysis: A Konüs/Shephard Approach,” CEPA. Working Paper N° WP10/2019. (with C.A.K. Lovell).
- (2015), “Exact Relationship between Fisher Indexes and Theoretical Indexes,” Center for Efficiency and Productivity Analysis (CEPA). University of Queensland. Working Paper n° WP06/2015, May (ISSN No. 1932 – 4398). (C.A.K. Lovell).
- (2012), “Business Model Evaluation: Quantifying Walmart’s Sources of Advantage,” Working Paper 13-039 (November 6, 2012) Harvard Business School (Humberto Brea-Solís, Ramon Casadesus-Masanell).
- (2011), “Assessing the impact of Mali’s water privatization across stakeholders,” Centre for Economic Policy Research (CEPR), London, *Development Economics*, Discussion Paper Series 8717 (December) (ISSN 0265-8003).
- (2010), *ECORE* (CORE, Université Catholique de Louvain and ECARES, Université Libre de Bruxelles) Discussion Paper 115 (Antonio Estache).

- (2010), “Testing the Product Test”, *Center for Efficiency and Productivity Analysis, University of Queensland* (Australia), Working Paper Series nº WP07/2010. (H. Brea Solís, C.A.K. Lovell).
- (2008), “Evaluating the Regulator: Winners and Losers in the Regulation of Spanish Electricity Distribution (1988-2002),” *Instituto de Estudios Fiscales. Papeles de Trabajo*, número 7/08, pp. 56 páginas (Leticia Blázquez Gómez).
- (2007), “Profit, Productivity and Distribution: Differences Across Organizational Form,” *Documentos de Trabajo 27. Fundación BBVA*. (C.A.K. Lovell).
- (2006), “Productivity at the Post: its Drivers and its Distribution,” *CEPA Working Paper Series 2006 WP02. University of Queensland* (Brisbane) Australia. (C.A.K. Lovell).
- (2005), “Internal Performance Evaluación: the Case of Bank Branches,” *Barcelona Economics Working Paper Series 231. CREA (Centre de Referencia en Economia Analítica)*, 31 páginas. (Pilar Marquès-Gou).
- (2005), “Productivity at the Post: its Drivers and its Distribution,” *Barcelona Economics Working Paper Series 169. CREA (Centre de Referencia en Economia Analítica)*, 31 páginas. (C.A.K. Lovell).
- (2004), “Regulación de la Distribución Electrica en España: Análisis Económico de una Década, 1987 – 1997”. *Document de Treball 2004/1. Departament d’Economia de l’Empresa. Universitat Autònoma de Barcelona*, 46 páginas. (L. Bázquez Gómez).
- (2003), “Sensitivity Analysis of Efficiency and Malmquist Productivity Indices: An Application to the Spanish Savings Banks,” *Working Papers 02, Centre for Applied Economic Research (CAER), University of New South Wales* (Australia), 35 páginas. (E. Tortosa-Ausina, C. Armero, D. Conesa).
- (2002), “Sensitivity Analysis of Efficiency and Malmquist Productivity Indices: An Application to the Spanish Savings Banks,” *Working Papers, WP – EC 2002/30, IVIE* (Valencia), España, 35 páginas. (E. Tortosa-Ausina, C. Armero, D. Conesa).
- (2002), “Capacity Utilisation and Profitability: A Decomposition of Short Run Profit Efficiency,” *Economics Department Working Papers 2002 - 1, Université de Liège* (Belgica). (T. Coelli y S. Perelman).
- (2001), “The Managers vs. the Consultants,” *Working Paper Series 01- 481., Terry College of Business. The University of Georgia* (USA), 22 páginas (C.A.K. Lovell).
- (2001), “Capacity Utilisation and Profitability: A Decomposition of Short Run Profit Efficiency,” *CORE Discussion Papers 01/52, Université Catholique de Louvain* (Bélgica), 30 páginas. (T. Coelli y S. Perelman).
- (1998) “A Parametric Distance Function Approach for Malmquist Index Estimation”. *Working Papers Series, CREPP 98/03, Université de Liège* (Belgica). (H. Fuentes, S. Perelman).
- (1997). “Profits and Productivity,” *Financial Institutions Center, Working Paper 97-18. Wharton Shool. University of Pennsylvania* (USA). (C.A.K. Lovell).
- (1997) “Profits and Productivity,” *Working Paper Series, 97 - 455. Terry College of Business. The University of Georgia* (USA). (C.A.K. Lovell).
- También publicado en *Actas de las XIII Jornadas de Economía Industrial. Fundación Empresa Pública*, 1998, pp. 37 – 42. (C.A.K. Lovell).
- (1996) “The Quasi-Malmquist Index”. *Working Paper Series, 96-441. Terry College of Business. The University of Georgia* (USA), 22 pages (C.A.K. Lovell, J. T. Pastor).
- (1996) “The Sources of Productivity Change in Spanish Banking”. *Working Paper Series, 96-443. Terry College of Business. The University of Georgia* (USA), 22 páginas (C.A.K. Lovell).
- (1996) " Profits and Productivity: A Theoretical Analysis and an Empirical Application to Spanish Banking” *Serie Documentos de Trabajo. Fundación Fondo para la investigación Económica y Social (FIES)*. Núm. 128, 50 pages (C.A.K. Lovell).

- (1995) "Biased Technical Change and the Malmquist Productivity Index". Working Paper Series, EWP - mic 9508002, Southern Illinois University.
- (1996) Working Paper Series, 96-439. Terry College of Business. The University of Georgia (USA), 14 páginas (R. Färe, S. Grosskopf, C.A.K. Lovell).
- También fue publicado Actas de las XII Jornadas de Economía Industrial. Fundación Empresa pública, 1998, pp. 251 – 254.
- (1994) "A Generalized Malmquist productivity index". Working Paper Series, 94-410. Terry College of Business. The University of Georgia (USA), 28 páginas (C.A.K. Lovell).
- (1993) "A new descomposition of the Malmquist productivity index". Department of Economics. University of North Carolina at chapel Hill (USA). Working Paper, 93-04, november, 20 páginas. (C.A.K. Lovell).
- (1994) Working Paper Series, 94-392. Terry College of Business. The University of Georgia (USA), 20 páginas.
- (1993) "Deregulation and productivity decline: the case of Spanish Savings Banks". Department of Economics. University of North Carolina at Chapel Hill (USA). Working Paper 93-02, june, 35 páginas. (C.A.K. Lovell).
- (1992) "Eficiencia frontera y productividad en las Cajas de Ahorros Españolas (1989-1990)". Documentos de Trabajo. *Fundación Fondo para la investigación Económica y Social*. n. 92, 102 páginas. (D. Prior Jimenez & V. Salas Fumas).

REFEREED PROCEEDINGS

- Agreel, P. and E. Grifell-Tatjé (2013) "Wearing out the regulator: industry response to non-credible high-powered regulatory regimes". Proceedings of the 10th International Conference on the European Energy Market EEM 2013, Royal Institute of Technology KTH, Stockholm, May 27-30, pp. 1-8 IEEE Proceedings 10.1109/EEM.2013.6607289.
- Grifell-Tatjé, E., Lovell. C.A.K. 2013. "Productivity, Price Recovery, Capacity Constraints and their Financial Consequences," in Aaron, M., and John Walden J., (ed), *Proceedings of the National Marine Fisheries Service Productivity Workshop. Santa Cruz, CA (USA)*, June 11-12, 2012. The National Oceanic and Atmospheric Administration (NOAA) Technical Memorandum of the National Marine Fisheries Servies (NMFS). (NOAA-TM-NMFS-SWFSC-503). U.S. Department of Commerce. United States of America. (Lead article)
- Grifell-Tatjé, E., Marqués-Gou, P. 2002. Strategic Performance at the firm level: Measuring the Nature of Sustained Superior Performance," en *Performance Measurement for Increased Competitiveness*, 2º International Workshop of the "Institute of Production Systems and Logistics, University of Hanover, (Germany). ISBN3-00-009491-1.
- Grifell-Tatjé, E., Lovell. C.A.K. 2000. An Economic Approach to the Decomposition of Variation in Banking Profitability. *Proceedings of the Workshop on Banking and Finance*. Universidad Miguel Hernández, Elche, España.
- (1999) "Cost and Productivity," *Actas de las XIV Jornadas de Economía Industria*. Fundación Empresa Pública, pp. 99 – 102. (C.A.K. Lovell).
- Grifell-Tatjé, E., Lovell. C.A.K. 1997. Profits and Productivity. *Proceedings of the Performance of Financial Institutions*, Wharton School, University of Pennsylvania,(USA).
- Grifell-Tatjé, E. and C. K. Lovell (1996), "Profits and Productivity", *Actas de las XII Jornadas de Economía Industrial*. Fundación Empresa Pública. pp. 37-42.
- (1992) "La eficiencia frontera en las Cajas de Ahorros Españolas". *Actas de las VIII Jornadas de Economía Industrial*. Fundación Empresa Pública. pp. 31-40. (D. Prior Jimenez & V. Salas Fumas).

RESEARCH RECOGNITION /Tramos de Investigación]

Evaluation by the Spanish independent agency ANECA (*Agencia Nacional de Evaluación de la Calidad y Acreditación*). Also recognition by the AQU (*Agencia Qualitat Universitaria*), the Catalanian independent agency.

- Research positive evaluation of the period 2011 – 2016 (Date resolution 19.06.2017 document number 16/02332).
- Research positive evaluation of the period 2005 – 2010 (Date resolution 29.06.2011 document number 004226).
- Research positive evaluation of the period 1999 – 2004, (Date resolution 13.06.2005 document number 003642).
- Research positive evaluation of the period 1993 – 1998.
- Research positive evaluation of the period 1987 – 1992.

AWARDS and RESEARCH GRANTS

Awards:

- Award Joan Sardà Dexeus 2019 (ex aequo), to the book “*The Oxford Handbook of Productivity Analysis*”, Ed. Emili Grifell-Tatjé, C.A. Knox Lovell and Robin C. Sickles, by the Association of Economists of Catalonia (Col·legi d’Economistes de Catalunya).

As Principal Researcher:

- “*Eficiencia y Productividad en las Cajas de Ahorro Españolas*”. Fundación Fondo para la Investigación Económica y Social de la Confederación Española de Cajas de Ahorro (1991 – 1992).
- “*Introducción de las Economías de Escala en los Indices de Productividad Malmquist. Aplicación al Caso del Sector Bancario Español*”. Fundación Bilbao Vizcaya (1994 – 1995).
- “*Profits and Productivity: A Theoretical Analysis and an Empirical Application to Spanish Banking*”. Fundación Fondo para la Investigación Económica y social de la Confederación Española de Cajas de Ahorro (1995 – 1996).
- “*Grup de Recerca de Qualitat en el marc del Pla de Recerca de Catalunya*.” GRQ93-2022. CIRIT Generalitat de Catalunya (1994 – 1996).
- “*Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya*”. Grup d’Eficiència i Competitivitat Empresarial (Business Efficiency and Competitiveness Group – BEC-G), 1996SGR 00113. CIRIT Generalitat de Catalunya (1996 – 1998).
- “*El Efecto de la Productividad sobre los Costes en la Distribución de Electricidad*”. Comisión del Sistema Eléctrico Nacional (1997 - 1998).
- “*Jornada sobre Desregulación y Eficiencia en el Sector Eléctrico*”. SEC97-1658-E. Comisión Interministerial de Ciencia y Tecnología. Ministerio de Educación y Cultura (1997).
- “*Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya*”. Grup d’Eficiència i Competitivitat Empresarial (Business Efficiency and Competitiveness Group – BEC-G), 1998SGR 00073. CIRIT Generalitat de Catalunya (1999 – 2000).
- “*Internacionalización y Analisis de la Competitividad Empresarial*”. DGES SEC99-0843-C02-01. Dirección General de Enseñanza Superior e Investigación Científica. Comisión Interministerial de Ciencia y Tecnología (1999 – 2001).
- “*Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya*”. Grup d’Eficiència i Competitivitat Empresarial 2000SGR 00052. CIRIT Generalitat de Catalunya (2001 – 2002).

- *“Análisis de la Sensibilidad de los Indices de Eficiencia y de los Indices de Productividad Malmquist en Banca a través de un procedimiento bootstrap.”* Instituto Valenciano de Investigaciones Económicas (IVIE) (2001).
- *“Productividad y Competitividad de la Empresa Industrial Española”.* SEC2001-2793-C03-01. Dirección General de Investigación. Secretaría de Estado de Política Científica y Tecnológica. Ministerio de Ciencia y Tecnología (2001 – 2004).
- *“Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya”.* Grup d’Eficiència i Competitivitat Empresarial (Business Efficiency and Competitiveness Group – BEC-G) 2001SGR 00159. CIRIT Generalitat de Catalunya (2001 – 2004).
- *“Tutorial on Malmquist, Fisher and Törnqvist Productivity Indexes by C.A.K. Lovell and Tutorial on Economic Performance and Cost Measures by Catherine Morrison.”* Agència de Gestió d’Ajusts Universitaris i de Recerca. 2003.
- *Review of “A Primer on Efficiency Measurement for Utilities and Transport Regulators,”* World Bank Institute. Short Term Consultant 27/01/2003 – 29/02/2003.
- *“Análisis de las Fuentes de las Variaciones Productivas y su Distribución a Nivel de Empresa.”* Proyectos de Investigación. Fundación BBVA. (2004 - 2005) (with C.A.K Lovell).
- *“Review of Data for a Methodology of Low Cost,”* The World Bank. Short Term Consultant 10/06/2005 – 20/06/2005.
- *“Medidas de Desempeño Competitivo: Descomposición y Determinantes”.* SEJ2004-07242-C03-01/ECON. Ministerio de Ciencia y Tecnología (November 2004 – November 2007).
- *“Tutorial on the Measurement of Business Income, Capital and Performance”.* SEJ2005-24707-E/ECON. Dirección General de Investigación. Ministerio de Educación y Ciencia. (November 2006 – November 2006).
- *“Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya”.* Grup d’Eficiència i Competitivitat Empresarial (Business Efficiency and Competitiveness Group – BEC-G) 2005SGR 00813 CIRIT Generalitat de Catalunya (2005 – 2009).
- *“Definition of the Variables and Observations of the Project: The Distributional Effects of Utilities Reforms: A Low Cost Approach Methodology,”* The World Bank. Short Term Consultant 27/11/2005 – 12/10/2005.
- *“Continuation of the project Definition of the Variables and Observations of the Project: The Distributional Effects of Utilities Reforms: A Low Cost Approach Methodology,”* The World Bank. Short Term Consultant 15/05/2006 – 30/06/2006.
- *“Ganadores y Perdedores de la Regulación de la Distribución Eléctrica Española.”* Instituto de Estudios Fiscales. Ministerio de Economía y Hacienda. (March 15th, 2007 - March 15, 2008).
- *“Management and Firm Performance: Profits and Beyond,”* SEJ2007-67737-C03-01/ECON. Ministerio de Ciencia y Tecnología (from 01/10/2007 to 30/09/2010).
- *“Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya”.* Grup d’Eficiència i Competitivitat Empresarial (Business Efficiency and Competitiveness Group – BEC-G), 2009SGR 1001 CIRIT Generalitat de Catalunya (2009 – 2014).
- *“The Analysis of Economic Performance,”* ECO2010-21242-C03-01/ECON. Ministerio de Ciencia y Tecnología (from 01/10/2011 to 31/12/2013; extended from 01/01/2014 to 31/12/2014).
- *“Financial support visiting University of Queensland, 2014”.* Search and Visitor Committee, University of Queensland (Australia). (Visiting Professor from 20/06/2014 to 14/08/2014).
- *“Performance Analysis, Competitiveness and Economic Progress,”* ECO2013-46954-C3-2-R. I+D+i “Retos Investigación”. Programa de I+D+i Orientada a los Retos de la Sociedad. Ministerio de Ciencia y Tecnología (from 01/01/2014 to 31/12/2017).
- *“The Role of Universities in Innovation and Regional Development (722295 — RUNIN),”* Marie Skłodowska-Curie MSCA-ITN-2016. Innovative Training Networks. European

Commission. Principal Researcher Project: Rune Dahl Fitjar, Universitetet i Stavanger (Norway); Principal Researcher UAB: E. Grifell-Tatjé; 48 months + extensions (from September, 1st, 2016 to February 28, 2021); Number Research Teams: 9.

- “Financial support visiting University of Queensland, 2017”. Search and Visitor Committee, University of Queensland (Australia).
- “Productivity Growth, Innovation and Social Economic Progress,” ECO2017-86054-C3-1-R. I+D+i Orientada a los Retos de la Sociedad. Ministerio de Economía, Industria y Competitividad. (from 01/01/2018 to 31/09/2021).
- Main Researcher of the application *Ayudas Juan de la Cierva-Incorporación* dentro el marco del *Plan Estatal de Investigación Científica y Técnica y de Innovación* 2013-2016. Ministerio de Economía, Industria y Competitividad.
- “Grup de Recerca Consolidats en el marc del Pla de Recerca de Catalunya”. Grup d’Eficiència i Competitivitat Empresarial (Business Efficiency and Competitiveness Group – BEC-G), 2017SGR 1036. CIRIT Generalitat de Catalunya (2018 – 2020).

As member of the team:

- “Equipo de Investigación sobre la Pequeña y Mediana Empresa”. D.G.U. Generalitat de Catalunya. Principal Researcher: E. Genescà Garrigosa (from 1990 to 1990).
- “Desarrollo del procedimiento para realizar un informe económico financiero periódico de la empresa catalana a partir de la Central de Balances del Banco de España”. Departament d’Economia i Finances, Generalitat de Catalunya. Principal Researcher: E. Genescà Garrigosa (from 1989 to 1990).
- “Concepto y determinantes de la competitividad a nivel microeconómico”, DGICYT PB91-0510. Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica. Principal Researcher: Vicente Salas Fumas (from 1992 to 1995).
- “Propiedad Control y Eficiencia de la Empresa Española”, DGICYT PB94 – 0708. Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica. Principal Researcher: Vicente Salas Fumas (from 1995 to 1998).
- “Estrategia Empresarial y Competitividad en la Empresa Española”, DGES PB95-0616. Dirección General de Enseñanza Superior e Investigación Científica. Programa Sectorial Promoción General del Conocimiento. Principal Researcher: E. Genescà Garrigosa (from 1996 to 1999).
- “Productividad y Beneficios en el Sector Eléctrico Español, 1988-2004”. Fundación Repsol YPF. Programa de Investigación Energética y Medioambiental. Principal Researcher: Pablo Arocena Garro (from 2007 to 2008).

DOCTORAL STUDENTS

In process

- Sergio Manrique, *expected defense* year 2021, in the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona.
- Loha Hashimy, *expected defense* year 2021, in the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona.
- Laura Maria Garcia Carrizosa, *expected defense* year 2023, in the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona (co-supervision: Pablo Arocena Garro).
- Fadi Hawash, *expected defense* year 2024, in the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona (co-supervision: Pere Ortín Àngel).

Completed

- Charles Baird Howell, *defense* September 29, 2020. in the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona. Main Advisor.
- Chen Xiang, *defense* October 09, 2018, in the Department of Economics. Soochow University, Taipei (Taiwan). Co-advisor with Professor Tsu-Tan Fu.
- Jonathan Calleja Blanco, *defense* July 28, 2017, in the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona. Main Advisor. (Prize for best Thesis).
- Pau Turon Dols, *defense* November 20, 2015. In the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona. Main Advisor.
- Humberto Antonio Brea Solís. *Defense*: December 12, 2011. In the program “Doctorate in Economics, Management and Organization” (DEMO). Universitat Autònoma de Barcelona.
- Maria Leticia Blázquez Gómez. *Defense*: June 9, 2008. In the Universitat Autònoma de Barcelona. Main Advisor.
- Pilar Marquès i Gou. *Defense*: October 18, 2001. In the Universitat de Girona. Main Advisor.
- Hugo Fuentes Castro. *Defense*: July 16, 1998. In the Universitat Autònoma de Barcelona. Main Advisor.

ACADEMIC SERVICES

As organizer:

- “Jornada sobre Desregulación y Eficiencia en el Sector Eléctrico”. Centre d’Economia Industrial. 22 May, 1997. Barcelona. Spain.
- Tutorial by Professor Bert Balk, Netherlands Institute of Statistics, on “Industrial Price, Quantity, and Productivity Indices. The Micro-Economic Theory and An Application,” Department of Business Economics. Universitat Autònoma de Barcelona. Barcelona. February 25 – 26, 1999.
- Tutorial by Professor Peter Bogetoft, The Royal Veterinary and Agricultural University, Copenhagen, Denmark, on “Incentives and Efficiency Evaluations,” Department of Business Economics. Universitat Autònoma de Barcelona. Barcelona. March 29 - 31, 2000.
- Tutorial by Professors’ Rolf Färe and Shawna Grosskopf, Oregon State University, USA, on “Efficiency and Duality, with Applications to Aggregation and Environmental Performance,” Department of Business Economics. Universitat Autònoma de Barcelona. Barcelona. June 1 - 2, 2001.
- Tutorial by Professor C.A.K Lovell, The University of Georgia, USA, on “Malmquist, Fisher and Törnqvist Productivity Indexes,” Department of Business Economics. Universitat Autònoma de Barcelona. Barcelona. May 9 - 10, 2003.
- Tutorial by Professor Tim Coelli, Centre for Efficiency and Productivity Analysis (CEPA), School of Economics, University of Queensland (Australia), sobre “Econometric Estimation of Distance Functions: with Application to Price Regulation in Infrastructure Industries,” Department of Business Economics. Universitat Autònoma de Barcelona. September 22 - 23, 2004.
- Tutorial by Professor Erwin Diewert, Department of Economics, The University of British Columbia, Canada, on “The Measurement of Business Income, Capital and Performance,” Department of Business Economics. Universitat Autònoma de Barcelona. September 21 - 21, 2005.
- Tutorial del Professor Paul W. Wilson, Department of Economics at Clemson University, South Carolina, USA, sobre “Bootstrap Methods for Inference About Efficiency,”

Departament d'Economia de l'Empresa. Universitat Autònoma de Barcelona. 9 y 10 de noviembre, 2006.

- Tutorial del Professor D.S. Prasada Rao, *School of Economics and Director, Centre for Efficiency and Productivity Analysis, University of Queensland, Brisbane, Australia*, sobre “*Index Number Methods for Spatial, Regional and Cross-Country Comparisons of Prices, Real Output and Income, and Productivity*,” Departament d'Economia de l'Empresa. Universitat Autònoma de Barcelona. 6 y 7 de septiembre, 2007.
- (co-coordinación con Per Agrell, UC Lovain) Workshop of the European Working Group on Distributed Decision Making, sobre “*Modelling Infrastructure Regulation*.” Departament d'Economia de l'Empresa. Universitat Autònoma de Barcelona. 8 y 9 de septiembre, 2008.
- Tutorial del Professor Subal C. Kumbhakar, *Department of Economics, State University of New York at Binghamton, US*, sobre ‘*A Premier on Efficiency and Productivity Analysis Using Parametric Stochastic Frontier Approaches*,’ Departament d'Economia de l'Empresa. Universitat Autònoma de Barcelona. 22 y 23 de octubre, 2009.
- Member of the Organizing Committee *International Workshop on Efficiency and Productivity in Honour of Professor Knox Lovell*. Universidad Miguel Hernandez, Elche, España. October 4-5, 2010.
- Tutorial del Professor Antonio Estache, *European Centre for Advanced Research in Economics and Statistics, Université Libre de Bruxelles, Belgium*, ‘Topics in Infrastructure Economics’, Departament d'Economia de l'Empresa. Universitat Autònoma de Barcelona. 13 y 14 de enero, 2011.
- Tutorial del Professor William Greene, *Stern School of Business, New York University, US*, ‘Stochastic Frontier Models for Efficiency Analysis,’ Departament d'Economia de l'Empresa. Universitat Autònoma de Barcelona. 25 y 26 de marzo, 2011.
- Tutorial del Professor Professor Subhash C. Ray, *Department of Economics, University of Connecticut, US*, “The 2012 Tutorial on Topics in Data Envelopment Analysis,” Kadir Has University, Istanbul-Turkey, 16 and 17 March, 2012.
- *Third Training Workshop: Entrepreneurship and SME Management*, of the project 722295 RUNIN - The Role of Universities in Innovation and Regional Development. Program Marie Skłodowska-Curie MSCA-ITN-2016. European Commission. Unión Europea. Universitat Autònoma de Barcelona. Barcelona, 13th-17th November 2017.

As member scientific committee:

- Member of the Scientific Committee “*5th Geography of Innovation Conference*” (GEOINNO2020). Stanvanger, Norway 29th – 31st January 2020.
- Elected Member Scientific Committee *XV Europea Workshop on Efficiency and Productivity Analysis* (EWEPA) London, June 10-14 2019.
- Member of the International Organizing of the Committee Asia Pacific Productivity Conference (APPC) – 2018 at Seoul National University, Seoul, Korea. July 4-6, 2018.
- *VIII Congreso de Eficiencia y Productividad EFIUCO*, Universidad de Cordoba, Cordoba, Spain, May 10 – 11, 2018.
- Elected member *European Workshop of Efficiency and Productivity Analysis*, 2017 (EWPA-17). *School of Business and Economics. Loughborough University*. London (UK). June 12-15, 2017.
- *VII Congreso de Eficiencia y Productividad EFIUCO*, Universidad de Cordoba, Cordoba, Spain, May 19 – 20, 2016.
- *VI Congreso de Eficiencia y Productividad EFIUCO*, Universidad de Cordoba, Cordoba, Spain, May 26 – 28, 2014.
- *GEM Research Conference on Entrepreneurship & Economic Development*, Global Entrepreneurship Research Association (GERA), Casa de la Convalecència, Barcelona, June 19 – 21, 2013.

- *V Congreso de Eficiencia y Productividad EFIUCO*, Universidad de Córdoba, Córdoba, Spain, May 19 and 20, 2011.
- *International Workshop on Efficiency and Productivity in Honour of Professor Knox Lovell*. Centro de Investigación Operativa, Universidad Miguel Hernández, Spain, October 4 and 5, 2010.

Referee for articles appearing in:

- American Journal of Agricultural Economics, The Annals of Operations Research, Applied Stochastic Models in Business and Industry, Economics Letters, Energy Journal, Energy Policy, Empirical Economics, European Economic Review, European Journal of Operations Research, International Journal of Manpower, International Journal of Operations and Production Management, International Economic Review, Journal of Banking and Finance, Journal of Productivity Analysis, Management Science, Omega, Review of Income and Wealth, Socio-Economic Planning Sciences. The International Journal of Public Sector Decision-Making.
- Review of academic book proposals for: Cambridge University Press. Cambridge (UK); Kluwer-Nijhoff Academic Publishers. Boston (USA); Rutledge Publishers. London and New York (UK, USA).

Thesis Examination:

Outside Spain

- -. “Opponent” of the thesis “Essays on Productivity and Efficiency in the Romanian Cement Industry,” by Mihai Cotfas. The School of Economics and Commercial Law. Göteborg University. Sweden. 1997.
- -. “La Mesure d’Efficacité et de la Productivité sur Base d’une Enveloppe de Libre Disposition: Théorie, Application et Logiciel,” by Philippe Vanden Eeckaut. Département des Sciences Économiques, Université Catholique de Louvain la Neuve. Belgium. 1997.
- - “Analyse des Mesures de l’Efficacité Technique,” by Melle Christine Comes. Département des Sciences Économiques. Université Paris (Pantheon – Assas). Paris, France. 2002.
- -. “Incorporation of Costs of Adjustment in DEA Models: Selection of Optimal Paths,” by Filadelfo de Mateo Gómez. The University of New England. Armidale. New South Wales. Australia. 2003.
- - “Les Fonctions Distance en Théorie de la Production Applications en Incertitude et aux Tests Non Paramétriques,” de Laurent Cavaignac, spécialité Sciences Économiques, Université Perpignan, Perpignan, France. 2007.
- “Homogeneity in Data Envelopment Analysis“, Ross Wyatt, Kent Business School, University of Kent. Canterbury. United Kingdom. 2011.
- “Essays on Green Productivity“, Shen Zhiyang, spécialité Sciences Économiques, Sociales, de l’Aménagement et du Management. IESEG School of Management. Université de Lille I, Lille, France. 2016.

Spain

- -. “Competencia y Regulación en la Industria de la Energía Eléctrica,” by Pablo Arocena Garro. Departamento de Gestión de Empresas. Universidad Pública de Navarra. Pamplona. Spain. 1996.
- -. “Tres Estudios en el Ámbito de la Organización Industrial,” by Miquel Carreras i Simó. Departament Economia i Empresa. Universitat Pompeu Fabra. Barcelona. Spain. 1997.
- -. “Avaluació de la Gestió Hospitalària: Determinació de les Economies de Diversificació i Valoració Dinàmica de la Qualitat i de la Productivitat,” by Magda Solà i Tey. Departament d’Economia de l’Empresa. Universitat Autònoma de Barcelona. Barcelona. Spain. 1998.
- -. “Retailing Strategies,” by José Manuel Ordóñez de Haro. Departament d’Economia i

Història econòmica. Universitat Autònoma de Barcelona. Barcelona. Spain. 2000.

- -. “A Microeconomic Analysis of Bank Regulation, Bank Specialization and R&D Organization,” by Aleix Calveras Maristany. Departament d’Economia i Història Econòmica. Universitat Autònoma de Barcelona. Barcelona. Spain. 2000.
- -. “La Evaluación del Rendimiento Productivo con Índices de Malmquist y su Aplicación DEA a la Industria Manufacturera de la OCDE (1970 – 1993),” by José Luis Zofio Prieto. Departamento de Análisis Económico: Teoría Económica e Historia Económica. Universidad Autónoma de Madrid. Madrid. Spain. 2000.
- -. “DEA: Medidas de Eficiencia Generalizadas y Detección de Observaciones Influyentes,” by José Luis Ruiz Gómez. Departamento de Estadística e Investigación Operativa. Universidad Miguel Hernández. Elche. Spain. 2000.
- -. “Contribuciones al Análisis Estocástico de la Eficiencia Técnica Mediante Métodos No Paramétricos,” by Carmen Murillo Melchor. Universidad de Cantabria. Santander. Spain. 2002.
- -. “Nuevas Metodologías en el Análisis de Envolvimiento de Datos. Una Aplicación a Pesquerías,” by Inés Herrero Chacón. Universidad de Huelva. Huelva. Spain. 2002.
- -. “Iniciativas Actuales para la Implantación de la Gestión de la Calidad. Análisis Comparativo de su Estructura e Impacto sobre las Capacidades Dinámicas de la Organización,” Leopoldo José Gutierrez Gutierrez. Universidad de Granada. Granada. España. 2008.
- -. “Topics on Recent Developments in Banking Regulation and Supervision,” Christian Eduardo Castro. Universitat Autònoma de Barcelona. Barcelona. España. 2009.
- -. “Novel Perspectives on Technology-Based Efficiency and Productivity Analysis,” Mircea Epure. Universitat Autònoma de Barcelona. Barcelona. España. 2010.
- -. “Gobierno Corporativo y Planteamiento Medioambiental de la Empresa,” Natalia Ortiz Martínez de Mandojana. Universidad de Granada. Granada. España. 2011.
- -. “Economic Regulation of Distribution System Operator and its Adaptation to the Penetration of Distributed Energy Resources and Smart Grid Technologies,” Rafael Cossent Arín. Universidad Pontificia de Comillas. Madrid. España 2013.
- -. “Efficient Implementation and Potential Benefits of Demand Response in Electricity Distribution Networks,” Mercedes Vallés Rodríguez. Universidad Pontificia de Comillas. Madrid. España 2017.
- -. “Tree Essays on the Economic Analysis of Energy Efficiency,” Sofía Peña Vidondo. Universidad Pública de Navarra. Pamplona. España 2017.

PAPERS PRESENTED AT CONFERENCES AND WORKSHOPS

Plenary Session speaker:

- *Asia-Pacific Productivity Conference (APPC-2016)*, Nankai University (China), 8-10 July 2016.
- *12th Asia-Pacific Productivity Conference (APPC-2018)*, Seoul National University, 4-6 July 2018.
- *2018 Taiwan Productivity and Efficiency Conference & Advanced Lecture Series*, The School of Business, Soowchow University, 9-10 July, 2018.

Pre-conference Workshop:

- *Workshop 1: Productivity Accounting: The Economics of Business Performance. Asia-Pacific Productivity Conference (APPC-2016)*, Nankai University (China), 7 July 2016.
- *Advanced Lecture: Productivity and Cost. 2018 Taiwan Productivity and Efficiency Conference & Advanced Lecture Series*, The School of Business, Soowchow University, 9-10 July, 2018.

Discussant Plenary Session:

- Discussant for the Plenary Session “Twenty Years of Frontier Analysis in the Service of Regulatory Economics: Perspectives and Open Questions”. *XV European Workshop on Efficiency and Productivity Analysis* (EWEPA). London, June 12-15, 2017.

Conferences and Workshops [since year 2010]:

- (2010), “Kmart vs. Walmart, Exploring the Reasons of Giant Downfall,” **North American Productivity Workshop VI** (NAPW VI). Department of Economics, Rice University, Houston (US). June 2 – 5, 2010. (Humberto Brea-Solís, Ramon Casadesus-Masanell, Emili Grifell-Tatjé).
- (2010), “Business Model Evaluation: Quantifying Walmart’s Sources of Advantage,” **International Workshop on Efficiency and Productivity in Honour of Professor Knox Lovell**. Centro de Investigación Operativa, Universidad Miguel Hernandez, Spain, October 4 and 5, 2010. (Humberto Brea-Solís, Ramon Casadesus-Masanell, Emili Grifell-Tatjé).
- (2011), “Beneficios: su Generación y su Distribución” (Lección Inaugural), **V Congreso de Eficiencia y Productividad EFIUCO**, Universidad de Córdoba, Córdoba, Spain, May 19 and 20, 2011.
- (2011), “Expectations with Unrealistic Optimism: An Empirical Application,” **XII Europea Workshop on Efficiency and Productivity Analysis**, University of Verona, Italy, June 21-24, 2011. (Humberto Brea-Solis, Emili Grifell-Tatjé, Luis Orea).
- (2011), “A Cost Constrained Approach to Assess Efficiency and Productivity Growth for the Mexican State Universities,” **XII Europea Workshop on Efficiency and Productivity Analysis, University of Verona**, Italy, June 21-24, 2011. (Pablo Arocena-Garro, Emili Grifell-Tatjé, Heriberto Rodríguez-Regordosa).
- (2011), “Business Models and Profit Generation,” **Advanced Lectures Series. 2011 Taiwan Productivity and Efficiency Conference**. The School of Business. Soochow University. July 15, 2011. Taipei. Taiwan. (Humberto Brea Solis).
- (2011), “Kmart: Exploring the Reasons of Giant Downfall,” **2011 Taiwan Productivity and Efficiency Conference. The Activity Center**, Academia Sinica. July 14, 2011. Taipei. Taiwan (Humberto Brea Solis).
- (2012), “Distributing the Productivity Gains of the Agricultural Sector of the United States,” **4th Halle Workshop on Efficiency and Productivity Analysis** (HAWEPA) at the Leibniz-Institute of Agricultural Development in Central and Eastern Europe (IAMO) July 2012 (Humberto Brea Solis).
- (2012), “Productivity, Price Recovery, Capacity Constraints and their Financial Consequences,” **National Marine Fisheries Service Productivity Workshop**. Southwest Fisheries Science Center, Santa Cruz, CA (USA), June 11-12, 2012. (C.A.K. Lovell).
- (2013), “Productivity Growth of the Spanish Electricity Distribution Industry: A Parametric Approach,” **VIII Congreso de la Asociación Española para la Economía Energética**, Valencia (Spain), enero 17 y 18, 2013. (L. Blázquez y H. Brea-Solís).
- (2013), “Assessing the Consequences of Restructuring Reforms on Firms’ Performance,” **Symposium Energy Sustainability and Competitive Markets**. Institut d’Economia de Barcelona (IEB), Barcelona, 29 enero, 2013. (L. Blázquez y P. Arocena).
- (2013), “Kmart: Exploring the Reasons for its Giant Downfall,” **Workshop & Plenary Lecture – Professor C.A.K. Lovell**, Management School – University of Liege (Belgium). March 22nd, 2013 (H. Brea-Solís).
- (2013), “Wearing Out the Regulator: Industry Response to Non-Credible High-Powered Regulatory Regimes,” **10th International Conference on the European Energy Market** (EEM13), KTH Royal Institute of Technology, Stockholm (Sweden). 28 – 30, 2013. (Per Agrell).
- (2013), “The Impact of Changes in Regulatory Regime on the Profits of Spanish Electricity

Distribution Firms,” **13th European Workshop on Efficiency and Productivity Analysis**. School of Business, Aalto University, Helsinki (Finland). 17 – 20 June, 2013. (L. Blázquez y H. Brea-Solís).

- (2013), “Labor Compensation and Productivity at Plan Level in the European Automobile Industry,” **13th European Workshop on Efficiency and Productivity Analysis**. School of Business, Aalto University, Helsinki (Finland). 17 – 20 June, 2013. (J.Calleja-Blanco).
- (2013), “Business Model Evaluation: Quantifying Walmart’s Source of Advantage,” **Conference Special Issue on Business Model Strategic Entrepreneurship Journal**, IESE Business School, Barcelona (España), 22 -23 November, 2013. (H. Brea Solis, R. Casadesus-Masanell).
- (2013), “Kmart: Exploring the Reasons for its Giant Downfall,” 8th **Iberoamerican Academy Conference 2013**, São Paulo (Brazil), 8 – 10 December, 2013. (H. Brea Solis).
- (2014), “Productivity, Firm Value Creation and its Distribution: The Spanish Health Care Case,” **V Congreso de Eficiencia y Productividad EFIUCO**, Universidad de Cordoba, Cordoba, Spain, 26 – 28 May 19, 2014. (with Pau Turon Dols)
- (2014), “Productivity, Firm Value Creation and its Distribution: The Spanish Health Care Case,” **2014 Asia-Pacific Productivity Conference**, The University of Queensland. Brisbane (Australia), 8-11 July, 2014. (with Pau Turon Dols).
- (2014), “Approximating Fisher Indexes,” **1 Day Workshop Program. Advanced Efficiency and Productivity**, Centre for Efficiency and Productivity Analysis (CEPA). University of Queensland (Australia). 3 October, 2014. (with C.A.K Lovell).
- (2014), “Economic Progress and the Analysis of Firm Behaviour,” **1 Day Workshop Program. Advanced Efficiency and Productivity**, Centre for Efficiency and Productivity Analysis (CEPA). University of Queensland (Australia). 3 October, 2014. (with C.A.K Lovell).
- (2015), “Exact Relationships between Fisher Indexes and Theoretical Indexes,” **Taiwan Productivity and Efficiency Conference**. Soochow University. Taipei (Taiwan). 7-9 July, 2015. (C.A.K. Lovell).
- (2015), “Industry Restructuring: An Analysis of Potential Horizontal Mergers among European Automobile Plants,” The Santander Chair 2015. **International Workshop of Efficiency and Productivity**. Universidad de Elche. Alicante (España). 12-13 June, 2015. (J.Calleja-Blanco).
- (2015), “Downsizing Effects on the Financial Performance of European Automobile Production Plants,” **14th European Workshop on Efficiency and Productivity Analysis**. School of Business, Aalto University, Helsinki (Finland). 15 – 18 June, 2015. (J. Calleja-Blanco).
- (2015), “Incentive Regulation with Flawed Cost Models: Firm Behavior and Productivity Losses,” **13th International Conference on Data Envelopment Analysis**. Technische Universität Braunschweig. Braunschweig (Germany). 24 – 27 August, 2015. (Per Agrell)
- (2015), “Industry Restructuring: An Analysis of Potential Horizontal Mergers among European Automobile Plants,” **International Conference on Data Envelopment Analysis**. Technische Universität Braunschweig. Braunschweig (Germany). 24 – 27 August, 2015. (J. Calleja Blanco)
- (2016), “How Healthful was the Expansion of the Private Medical Expenses Insurance in Mexico,” **14th International Conference on Data Envelopment Analysis**, Jiangnan University, Wuhan, China, May 23 - 26, 2016. (Hugo Fuentes and Ana María Reyna).
- (2016), “The Cost of Inadequate Yardstick Models,” **North American Productivity Workshop IX**, Carleton University, Quebec City, Canada, June 15-18, 2016. (with Per Agrell)
- (2016), “Social Economic Progress and the Analysis of Business Behavior,” **XXXI Jornadas de Economía Industrial**, Universitat de les Illes Balears, Palma de Mallorca, Spain, Septiembre 1-2, 2016. (with C.A.K. Lovell and P. Turon Dols)

- (2016), “Potential Competition and Productivity among European Automobile Plants,” **XXXI Jornadas de Economía Industrial**, Universitat de les Illes Balears, Palma de Mallorca, Spain, Septiembre 1-2, 2016. (with Jonathan Calleja Blanco)
- (2016), “Business Model Interactions: Walmart Vs. Kmart,” **Cass Strategy Workshop on Business Models**, Cass Business School, Londres. Friday 9 December 2016. (Poster) (H. Brea Solis, R. Casadesus-Masanell).
- (2017), “Business Models Interaction: Walmart vs Kmart,” **XV European Workshop on Efficiency and Productivity Analysis** (EWEPA). London, June 12-15, 2017. (with Humberto Brea-Solís and Ramon Casadesus-Masanell).
- (2018), “Output Attributes and the Relationship between Competition and Price Dispersion: Evidence from the US Airline Market.” **XXXIII Jornadas de Economía Industrial**, Facultat d’Economia i Empresa. Universitat de Barcelona, Barcelona. 6-7 September, 2018. (with Charles Howell).
- (2018), “Output Attributes and the Relationship between Competition and Price Dispersion: Evidence from the US Airline Market”. **OR60 Anniversary Conference**, Lancaster University, UK. September 11-13, 2018. (with Charles Howell).
- (2019), “Output Attributes and the Relationship between Competition and Price Dispersion: Evidence from the US Airline Market”. **2nd Catalan Economic Society Conference**, Barcelona, May 24-25, 2019. (with Charles Howell).
- (2019), “The profitability change and its drivers: An empirical analysis of the Spanish power companies before and after industry reforms,” **XVI European Workshop on Efficiency and Productivity Analysis** (EWEPA). London, June 10-13, 2010. (with Leticia Blazquez and Pablo Arocena).
- (2019), “Directional slack-based decomposition of profit performance: An application in Chinese banks,” **XVI European Workshop on Efficiency and Productivity Analysis** (EWEPA). London, June 10-13, 2010. (with Xiang Chen and Tsu-Tan Fu).
- (2019), “Output attributes and hedonic prices: An analysis of airfares,” **XVI European Workshop on Efficiency and Productivity Analysis** (EWEPA). London, June 10-13, 2010. (with Charles Howell).
- (2019), “Output attributes and hedonic prices: An analysis of airfares,” **XIII DEMO Workshop**. Pamplona, May 30-31, 2010. (with Charles Howell).
- (2019), “Output Attributes and Hedonic Prices: An Analysis of Airfares,” **Aviation Management and Economics Conference** (AMEC), Vienna (Austria), November 6, 2019. (with Charles Howell).
- (2020), “Assessing the Impact of University-Firm Collaboration on Innovation-related Financial Performance,” **5th Geography of Innovation Conference**, University of Stavanger, RUNIN and Stavanger Centre for Innovation Research. Stavanger (Norway). January 29 – 31, 2020. (with Sergio Manrique).
- (2020), “The Role of Product Differentiation in Profit Change: An Analysis of the US Airline Industry,” **XIV DEMO Workshop**, Barcelona, July 3, 2020. Presented paper online. (with Charles Howell).
- (2020), “The Role of Product Differentiation in Profit Change: An Analysis of the US Airline,” **Virtual North American Productivity Workshop** (NAPW XI). University of Miami Herbert Business School, Florida (USA), June 8-12, 2020. Presented paper online. (with Charles Howell).
- (2020), “The Role of Product Differentiation in Profit Change: An Analysis of the US Airline,” **17th Aviation Student Research Workshop**, Hong Kong Polytechnic University, Hong Kong, June 5 – 6, 2020. Presented paper online. (with Charles Howell).

