

# CV Fulvio Castellacci

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## Current positions

**Director**, TIK Centre for Technology, Innovation and Culture, University of Oslo, 2014–2018.

**Research Professor**, Department of International Economics, Norwegian Institute of International Affairs (2009–).

## Previous positions

**Head of Department**, Department of International Economics, Norwegian Institute of International Affairs (NUPI), 2007–2014.

**Senior Research Fellow**, Department of International Economics, Norwegian Institute of International Affairs (NUPI), 2006–2007.

**Postdoctoral Researcher**, TIK Centre, University of Oslo, 2004–2006.

**PhD student**, TIK Centre, University of Oslo, 2000–2004.

## Studies

**PhD in Economics**, University of Rome La Sapienza

Title: *Empirical Studies on Innovation, Structural Change and Economic Growth*

Date of award: 16 June 2005.

**PhD in Innovation Studies**, TIK Centre, University of Oslo

Title: *Innovation and Economic Growth in Europe: Evolutionary Perspectives*

Date of award: 22 September 2004.

**Master in Quantitative Methods for Economics**, University of Rome Tor Vergata, 2000.

Grant awarded for the results of the final examinations.

**Laurea (Summa cum laude) in Economics**, University of Rome La Sapienza, 1998.

## Organizational leadership

**Financial management:** coordination of external project acquisition and overview of existing projects. The Department has been externally funded and has had no deficit during the whole period.

**Project portfolio management:** monitoring and quality control of the Department's project portfolio.

**Personnel** monitoring and follow up of the staff's daily working activities and personnel issues.

**Committee work:** coordination of evaluation committees for applications to senior and junior positions.

**New staff recruitment:** leading the whole process of staff recruitment at the Department (planning, vacancy announcement, evaluation process, interviews, job offer and contract establishment).

**Guest researchers:** coordination of external researchers visiting the group.

**Strategic planning:** contribution to strategic planning and organizational issues at NUPI.

**External network activities:** managing collaborations with Norwegian and international stakeholders.

**Internal network and social activities:** coordination of seminars, weekly lunch, and social gatherings.

## Project coordination (selected)

1. "Economic and Institutional Reform in Cuba" (2010-2015). Project funded by the Norwegian Ministry of Foreign Affairs, and the Norwegian Embassy in Cuba. Project coordinator.
2. "R&D Policy by Sector: A Cross-country Investigation" (R&DPOL, 2013-2015). Project funded by the *Norwegian Research Council*. Project coordinator.
3. "Innovation and Defence Industrial Policy: Creating a Common Strategy for Institutions with Different Goals and Approaches to Policy Making" (INNDEF, 2010-2012). Project funded by the *Norwegian Research Council*. Project coordinator.
4. "Confronting Transnationalization: the Economic, Environmental, and Political Strategies of Central American Economic Groups" (coordinated by SUM, UiO, 2010-2013). Project funded by the *Norwegian Research Council*. Project coordinator at NUPI.
5. "Barriers to Entry, Internationalization and Technology" (BITE, 2007-2011). Project funded by the *Norwegian Research Council*. Project coordinator.
6. "Innovation and Competitiveness of Nordic Services" (ICONS, 2006-2009). Project funded by the *Nordic Innovation Centre*. Project coordinator.
7. "Technology, Economic Change, Heterogeneity and Internationalization in Latin America" (TECH-I-LA). Project funded by the *Norwegian Research Council*. Project coordinator.
8. "Technological Regimes, Schumpeterian Patterns of Innovation and the Internationalization of Industrial Sectors" (2008-2009). Scholarship funded by the *P.M. Røwdes Stiftelse*. Project coordinator.

## **Books**

Bull, B., Castellacci, F., and Kasahara, Y. (2013): *Varieties of Peripheral Capitalism: Strategies and Performance of Business Groups in Central America*, Palgrave Macmillan.

Castellacci, F. and Fevolden, A. (2014): *Innovation and Liberalization in the EU Defence Sector: A Small Country Perspective*, Edward Elgar, forthcoming.

## **Articles in international peer-reviewed Journals**

31. Castellacci, F. and Lie, C. (2013): “Do the effects of R&D tax credits vary across industries? A meta-regression analysis”, revised-and-submitted to *Research Policy*.

30. Castellacci, F. (2013): “Institutional Voids or Entry Barriers? Business Groups, Innovation and Market Development in Latin America”, revised-and-submitted to *World Development*.

29. Castellacci, F., Los, B. and de Vries, G. (2013): “Sectoral productivity trends: Convergence islands in oceans of divergence”, *Journal of Evolutionary Economics*, forthcoming.

28. Castellacci, F. and Fevolden, A. (2013): “How are Defence Companies Responding to EU Defence and Security Market Liberalization? A Comparative Study of Norway and Sweden”, *Journal of European Public Policy*, 21 (8): 1218-1235.

27. Blom, M., Castellacci, F. and Fevolden, A. (2013): “Defence Firms Facing Liberalization: Innovation and Export in an Agent-based Model of the Defence Industry”, *Computational and Mathematical Organization Theory*, in press.

26. Castellacci, F. and Fevolden, A. (2011): “Capable companies or changing markets? Explaining the export performance of firms in the defence industry”, *Defence and Peace Economics*, 25 (6): 549-575.

25. Castellacci, F. (2011): “Service innovation and the proximity-concentration trade-off model of trade and FDI”, *Economics of Innovation and New Technology*, 23 (1): 92-108.

24. Castellacci, F. and Natera, J.M. (2013): “The dynamics of national innovation systems: a panel cointegration analysis of the coevolution between innovative capability and absorptive capacity”, *Research Policy*, 42 (3): 579–594.

23. Castellacci, F. (2013): “Service firms heterogeneity, international collaborations and export participation”, *Journal of Industry, Competition and Trade*, 14 (2): 259-285.

22. Blom, M., Castellacci, F. and Fevolden, A. (2013): “The trade-off between innovation and defence industrial policy”, *Technological Forecasting and Social Change*, 80 (8): 1579-1592.

21. Castellacci, F. (2011): “Closing the technology gap?”, *Review of Development Economics*, 15 (1): 180-197.

20. Castellacci, F. (2011): “How does competition affect the relationship between innovation and productivity? Estimation of a CDM model for Norway”, *Economics of Innovation and New Technology*, 20 (7): 637-658.

19. Castellacci, F. and Natera, J. M. (2011): “A new panel dataset for cross-country analysis of national systems, growth and development”, *Innovation and Development*, 1 (2): 205-226.

18. Castellacci, F. (2010): “Structural change and the growth of industrial sectors: Empirical test of a GPT model”, *Review of Income and Wealth*, 56 (3): 449–482.

17. Castellacci, F. and Zheng, J. (2010): “Technological regimes, Schumpeterian patterns of innovation and firm-level productivity growth”, *Industrial and Corporate Change*, 19 (6): 1829-1865.
16. Castellacci, F. (2010): “The internationalization of firms in the service industries: Channels, determinants and sectoral patterns”, *Technological Forecasting and Social Change*, 77 (3): 500-513.
15. Castellacci, F. (2009): “The interactions between national systems and sectoral patterns of innovation: A cross-country analysis of Pavitt’s taxonomy”, *Journal of Evolutionary Economics*, 19: 321-347.
14. Castellacci, F. (2008): “Technological Paradigms, Regimes and Trajectories: Manufacturing and Service Industries in a New Taxonomy of Sectoral Patterns of Innovation”, *Research Policy*, 37: 978-994.
13. Castellacci, F. (2008): “Innovation in Norway in a European Perspective”, *Nordic Journal of Political Economy*, 34: 1-43.
12. Castellacci, F. and Archibugi, D. (2008): “The technology-clubs: The Distribution of Knowledge Across Nations”, *Research Policy*, 37, 1659-1673.
11. Castellacci, F. (2008): “Technology clubs, technology gaps and growth trajectories”, *Structural Change and Economic Dynamics*, 19 (4): 301-314.
10. Castellacci, F. (2008): “Innovation and the competitiveness of industries: Comparing the mainstream and the evolutionary approaches”, *Technological Forecasting and Social Change*, 75: 984-1006.
9. Castellacci, F. (2007): “Technological regimes and sectoral differences in productivity growth”, *Industrial and Corporate Change*, 16 (6): 1105-1145.
8. Castellacci, F. (2007): “Evolutionary and new growth theories. Are they converging?”, *Journal of Economic Surveys*, 21 (3): 585-627.
7. Castellacci, F. (2006): “A critical realist interpretation of evolutionary growth theorizing”, *Cambridge Journal of Economics*, 30 (6): 861-880.
6. Castellacci, F. (2006): “Innovation, diffusion and catching up in the fifth long wave”, *Futures*, 38 (7): 841-863.
5. Castellacci, F. and Alvarez, I. (2006): “Innovation, diffusion and cumulative causation: Changes in the Spanish growth regime, 1960-2001”, *International Review of Applied Economics*, 20 (2): 223-241.
4. Castellacci, F., Grodal S., Mendonca S., and Wibe M. (2005): “Advances and challenges in Innovation Studies”, *Journal of Economic Issues*, 39 (1): 91-121.
3. Castellacci, F. (2004): “A neo-Schumpeterian approach to why growth rates differ”, *Revue Economique*, 55 (6): 1145-1169.
2. Cappelen A., Castellacci, F., Fagerberg J. and Verspagen, B. (2003): “The impact of regional support on growth and convergence in the European Union”, *Journal of Common Market Studies*, 41 (4): 621-644.
1. Castellacci, F. (2002): “Technology-gap and cumulative growth: models and outcomes”, *International Review of Applied Economics*, 16 (3): 333-346.

### **Book chapters**

Castellacci, F., Fevolden, A. and Blom, M. (2013): “R&D Policy Support and Industry Concentration: A SKIN Model Analysis of the European Defence Industry”, Springer.

Castellacci, F. (2012): “Firms Internationalization in the Service Industries: Evidence for Norway”, in Hveem, H. and C.H. Knutsen (Eds.): *Technology, Innovation and Governance*, Edward Elgar.

Castellacci, F. (2011): “Technology, heterogeneity and international competitiveness: Insights from the mainstream and evolutionary economics paradigms”, in Jovanovic, M. (ed.), *International Handbook of Economic Integration*, Edward Elgar.

Castellacci, F., Clausen, T. Nås, S. O. and B. Verspagen (2009): “Historical fingertips? A taxonomy of Norwegian innovation”, in Fagerberg, J., Mowery, D. and Verspagen, B. (eds.), *Innovation, Path-dependency and Policy: the Norwegian Case*, Oxford University Press.

Castellacci, F. (2008): “Evolutionary and new growth theories. Are they converging?”, in George, D. (ed.), *Issues in Heterodox Economics*, Blackwell Publishing.

Cappelen A., Castellacci, F., Fagerberg J. and Verspagen, B. (2003): “Regional disparities in income and unemployment in Europe”, in Fingleton B. (eds.), *European Regional Growth*, Springer-Verlag.

## **Refereeing activities**

*Journal of Economic Growth; World Development; Research Policy; Industrial and Corporate Change; Regional Studies; Journal of Common Market Studies; Review of Income and Wealth; Review of Industrial Organization; Economic Systems Research; Cambridge Journal of Economics; Structural Change and Economic Dynamics; Economics of Innovation and New Technology; Journal of Evolutionary Economics; Journal of Industry, Competition and Trade; Industry and Innovation; Technological Forecasting and Social Change; Technovation; Technology Analysis and Strategic Management; Telecommunication Policy; Journal of Economic Policy Reform; Annals of Regional Science; Review of Economics and Institutions; Research in Economics; International Journal of Technology Management; International Journal of Technological Learning, Innovation and Development; Innovation, Management, Policy and Practice; Journal of Economic Issues; Journal of International Economics and Finance; Review of International Organisations; Review of Political Economy; Journal of Engineering and Technology Management; British Journal of Economics, Management & Trade; Forum for Development Studies; Tijdschrift voor Economische en Sociale Geografie.*

## **Editorial activities**

Associate Editor, *Journal of Economic Surveys*, since 2012.

Associate Editor, *Review of Economics and Institutions*, since 2010.

## **Awards**

**Research Prize**, Norwegian Institute of International Affairs (NUPI), November 2009.

**Best Paper Award**, Globelics Academy, May 2011.

**Teaching Prize**, ESST Master Programme, University of Oslo, November 2005.

## **Presentations at international conferences, workshops and seminars (selected)**

### ***Peer-reviewed conference presentations***

Conference on Innovation and Entrepreneurship (Copenhagen, January 2014)  
International Schumpeter Society Conference (Sophia-Antipolis, June, 2006; Aalborg, June 2008)  
DRUID Conference (Copenhagen Business School, 2001, 2002, 2006, 2008, 2007)  
Globelics Network Conference (Beijing, October 2004. Mexico City, September 2008)  
ZEW “The Economics and Econometrics of Innovation” (Manheim, Germany, June 2009)  
GARNET EU Network of Excellence Conference (Rome, November 2009)  
DIME EU Network of Excellence Conference (Strasbourg, April 2008)  
PRIME EU Network of Excellence Conference (Oslo, May 2008)  
DIME EU Network of Excellence Workshop (Lund, April 2006)  
DIME EU Network of Excellence Workshop (Wien, February 2006)  
UNU-WIDER Conference (Helsinki, June 2005)  
EMAEE Conference (Augsburg, April 2003)  
ETIC EU Network Final Conference (Strasbourg, October 2001)

### ***Project workshop presentations***

European Science Foundation Workshops (Oslo, March 2003; Lund, January 2008)  
INNDEF Project Workshops (Oslo, August 2011 & March 2013)  
Micro-Dyn Project Workshops (Madrid, September 2009; Vienna, May 2009 and April 2007)  
ICONS Project Workshops (Oslo, March 2007, March 2008 and May 2008)  
IPP Project Workshops (Copenhagen, April 2004; Oslo, March 2007)  
Macrotec Project Workshop (Madrid, March 2002)

### ***Invited seminar presentations***

Copenhagen Business School (February 2013); SPRU, University of Sussex (January 2013); Department of Economics, University Complutense, Madrid (April 2012), Department of International Economics and Business, University of Groningen, (November 2008); Seminar series, Max Planck Institute for Economics, Jena (October 2008)

### ***Organization of events***

Two international workshop on “Innovation, Performance and Policy in the Defence Industry” (Oslo, August 2011 & March 2013)  
Two international workshop on “Barriers to Entry, Internationalization and Technology”, Oslo (December 2009, January 2011)  
Three international workshops on “Innovation and the International Competitiveness of Nordic Services”, Oslo (March 2007, November 2007, May 2008)  
Workshop on “Innovation, Trade and Growth in Latin America” (Oslo, November 2008)  
Seminar Series on International Economics, Department of International Economics, Norwegian Institute of International Affairs (2007-2011)

## Teaching

### *PhD level*

**Supervision of PhD students:** Jose' Miguel Natera, University Complutense, Madrid, Spain (2010-2013); Belen Baptista, National University, Montevideo, Uruguay (2011-2014)

**Evaluation of PhD theses:** Johanna Nahlinder, University of Linköping, Sweden (2005); Dora Luz Bañales, University of Valencia, Spain (2007); Koson Sapprasert, University of Oslo (2009); Bruno Brandão Fischer, University Complutense, Madrid (2013).

**Teaching:** doctoral course on *Economics of Innovation*, University of Oslo, spring 2014; doctoral course at Havana University, November 2014.

### *Master level*

**Coordination of TIK and ESST Master programmes,** fall 2014.

**Coordination and teaching,** course on *Economics of Innovation*, Master ESST, University of Oslo, spring 2012, 2013 and 2014

**Coordination and teaching:** course on the *Economic Growth and Regional Integration* (Master level), Mohyla Academy, Kiev, Ukraine, spring 2009, 2010 and 2011.

**Coordination and teaching:** course on *Globalisation, Innovation and Policy*, Master ESST, University of Oslo, spring 2005 and 2006, University of Oslo.

**Coordination and teaching:** course on *Innovation and Economic Growth*, Master ESST, University of Oslo, fall 2002.

**Teaching:** several invited lectures during various courses of the Master Programmes TIK & ESST, University of Oslo, 2001-2012. The lectures have been on a variety of topics related to the broad areas of international economics, economic growth and development.

**Teaching:** invited lectures at the course on the *Economics of Innovation* (Master level), BI, Department of Economics, Oslo (course coordinated by Per Botolf Maurseth, springs 2009, 2010 and 2011).

**Teaching:** course on the *Economics of Innovation*, Faculty of Economics, University of Urbino, fall semester 2003.

**Coordination:** Scholarship Programme for Master students in economics, Department of International Economics, NUPI, 2007-2013.

**Board Membership:** ESST Master, University of Oslo, assessment of curricula and results, and organization of the new two-year Master, 2006-2007.

**Supervision of Master students:** Master ESST, University of Oslo, 2001–2014.

**Evaluation of Master theses:** Master ESST, University of Oslo, 2001–2013.