

ANDREA MINA

(December 2022)

CURRICULUM VITAE

Institute of Economics
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EMPLOYMENT

December 2021 –	<i>Full Professor</i> , Institute of Economics, Sant'Anna School of Advanced Studies, Pisa
October 2019 –	<i>Pro-Rector for International Relations</i> , Sant'Anna School of Advanced Studies, Pisa
July 2018 –	<i>Associate Scientific Co-ordinator of EMbeDS Centre of Excellence</i> (Economics and Management in the era of Data Science), Sant'Anna School of Advanced Studies, Pisa
Oct 2016 –	<i>Associate Professor</i> , Institute of Economics, Sant'Anna School of Advanced Studies, Pisa
Sept 2007 –	<i>Senior Research Fellow</i> , Centre for Business Research (CBR), University of Cambridge, Cambridge UK
Oct 2016 – 2020	<i>Fellow</i> , Cambridge Judge Business School, University of Cambridge, Cambridge UK
Sept 2015 – Sept 2016	<i>Director of Economic Studies</i> , St Edmund's College, University of Cambridge, Cambridge UK
Feb 2015 – Sept 2016	<i>Fellow</i> , St Edmund's College, University of Cambridge, Cambridge UK
Jan 2013 – Sept 2016	<i>University Lecturer (Assistant Professor)</i> in Economics of Innovation, Cambridge Judge Business School, University of Cambridge, Cambridge UK
Jan 2009 – June 2014	<i>Research Associate</i> , UK Innovation Research Centre (UK~IRC), University of Cambridge (CBR) and Imperial College London Business School
Feb 2005 – Aug 2007	<i>Research Associate</i> , Centre for Research on Innovation and Competition (CRIC), University of Manchester, Manchester UK
Feb 2004 – Jan 2005	<i>Research Assistant</i> , Centre for Research on Innovation and Competition (CRIC), University of Manchester, Manchester UK.

EDUCATION

- *PhD*, Centre for Research on Innovation and Competition (CRIC)/Faculty of Social Sciences and Law, University of Manchester, and Dept. of Economics Cognetti de Martiis/School of Law, Politics and Socio-Economic Sciences, University of Turin, Italy
- *MSc*, Science and Technology Policy, Science and Technology Policy Research Unit (SPRU), University of Sussex, UK
- *Laurea*, Communication Sciences/Faculty of Letters and Philosophy, 110/110 *summa cum laude* (Innovation Economics thesis), University of Turin, Italy
- *Diplôme d'Etudes Universitaires Françaises* – DEUF (French Certificate of Graduate Studies) University of Jean Moulin Lyon III, France
- *Diploma di Maturità Classica*, Liceo Classico A. Rosmini, Turin, Italy (A Level equivalents: Ancient Greek and Physics, 60/60 – top marks).

Other qualifications:

- Italian National Scientific Qualification as Full Professor ('Abilitazione Scientifica Nazionale', art. 16, comma 1, Legge 240/10) for the period 03/06/2021-03/06/2030 in:
 - 13/A1 Political Economy ('Economia Politica')
 - 13/A2 Economic Policy ('Politica Economica')
 - 13/A4 Applied Economics ('Economia Applicata')
- UK Office of National Statistics (ONS) Qualified Researcher, since 2011.

Honours and Awards

- *Nominated for the Best Paper Award* of the Strategic Management Society Knowledge and Innovation Interest Group, SMS Annual Conference, London, 17-20th September 2022
- *BEST PAPER AWARD*, DRUID Summer Conference 2022, Copenhagen Business School, 13-15th June 2022
- *Outstanding Contribution in Reviewing*, Research Policy, Elsevier, November 2016
- *BEST PAPER AWARD*, CONCORDi-2013 Conference, JRC-IPTS/European Commission, Seville, 26-27th September 2013
- *Best Paper Proceedings*, 2013 Academy of Management Meeting, Lake Buena Vista, Orlando, 9-13th August
- *Nominated for the International Schumpeter Prize* at the 7th European Meeting of Applied Evolutionary Economics (EMAE), Sant'Anna School of Advanced Studies, Pisa, 14-16th February 2011
- *BEST PAPER AWARD*, 25th DRUID Celebration Conference 'Entrepreneurship and Innovation', Copenhagen Business School, 17-20th June 2008
- *OPTIME AWARD 2000*, Prize for the Best Graduates of the University and 'Politecnico' of Turin, sponsored by 'Unione Industriale Torino', 25th September 2000.

TEACHING

- *The Economics of Science*, Econ undergraduate module; *Econometrics Lab*, Econ undergraduate module; *Venture Capital*, Econ undergraduate module; *Advanced Topics in the Economics of Technical Change*, MAIN MSc in Innovation; *Financing Innovation*, PhD module (Economics), *The Economics of New Health Technologies*, PhD module (Health Science, Technology and Management), 2016 to date, Sant'Anna School of Advanced Studies, Pisa

- *The Economic Foundations of Technology Policy*, MPhil in Technology Policy, Judge Business School, University of Cambridge, NEW module designed for the Academic Year 2015-16
- *The Economics of Firms and Markets*, Management Studies Tripos, Judge Business School, University of Cambridge, Selected topics from 2009 to 2012; Course co-ordinator 2013-2016
- *Business Economics* (Micro and Macro, 3rd year) and *Introductory Business Economics* (2nd year), Engineering Tripos, University of Cambridge, 2013-2016
- *Entrepreneurial Science and Innovation*, MPhil in Technology Policy, Judge Business School, University of Cambridge, 2013-2016
- *MBA and EMBA*, Judge Business School, University of Cambridge, Project supervisions, 2012-2016.
- *MSc in Health Economics and Policy*, CORIPE University of Turin. Invited Lecturer. Topics: 'Principles of the Economics of Technical Change' and 'Innovation in the Health Sector', 2005-2010
- *International Competitiveness and Technical Change*, Manchester Business School, University of Manchester, Course supervisor, 2006-07; *Technology Management*, School of Management/University of Manchester Institute of Science and Technology, Course supervisor, 2002 to 2004.

PUBLICATIONS

- (with P. Santoleri, A. di Minin, I. Martelli) 2022. 'The causal effects of R&D grants: evidence from a regression discontinuity', *Review of Economics and Statistics*, 1-42. doi: https://doi.org/10.1162/rest_a_01233.
- (with C. Esposito, M. Gortan, L. Testa, F. Chiaromonte, G. Fagiolo and G. Rossetti) 2022. 'Venture capital investments through the lens of network and functional data analysis', *Applied Network Science*, 7, 42, <https://doi.10.1007/s41109-022-00482-y>
- (with V. Cirillo, L. Fanti, A. Ricci) 2022. 'New digital technologies and firm performance: Industry 4.0 in the Italian economy', *Industry and Innovation*, in press, <https://doi.org/10.1080/13662716.2022.2055999>
- (with V. Cirillo, L. Fanti, A. Ricci) 2022. 'Upgrading Italy's Industrial Capacity: Industry 4.0 across Regions and Sectors', *SINAPPSI – Journal of the Italian National Institute for Public Policy (INAPP)* XI (2): 14-35, https://doi.10.53223/Sinappsi_2021-02-1
- (with S. Rocchetta, D. Kogler and C. Lee) 2021. 'Technological knowledge spaces and the resilience of European regions', *Journal of Economic Geography*, 22(1): 27-51, <https://doi.10.1093/jeg/lbab001>
- (with M. Moggi, A. Martinelli) 2021. 'The enabling technologies of Industry 4.0: Examining the seeds of the Fourth Industrial Revolution', *Industrial and Corporate Change*, 30(1): 161-188, <https://doi.10.1093/icc/dtaa060>
- (with P. Santoleri) 2021. 'The effect of the Great Recession on the employment growth of young vs. small firms in the Eurozone', *Structural Change and Economic Dynamics*, 56: 184-194. <https://doi.org/10.1016/j.strueco.2020.11.002>
- (with A. di Minin, I. Martelli, G. Testa, P. Santoleri) 2021. 'Public funding of innovation: exploring applications and allocations of the European SME Instrument', *Research Policy* 50(1): 104-131. <https://doi.org/10.1016/j.respol.2020.104131>
- (with H. Lahr) 2020. 'Endogenous financial constraints and innovation', *Industrial and Corporate Change*, <https://doi.org/10.1093/icc/dtaa035>
- (with C. Jensen) 2019. 'Did transition bring cleaner air? The effects of ownership, territorial and technology policy on air pollution', *Ecological Economics* 165: 106276 <https://doi.org/10.1016/j.ecolecon.2019.03.017>

- (with S. Rocchetta) 2019 ‘Technological coherence and the adaptive resilience of regional economies’, *Regional Studies* 53(10): 1421-1434, <https://doi.org/10.1080/00343404.2019.1577552>
- Mina, A. (with T. Thune) 2016 ‘Hospitals as innovators in the health care system: A literature review and research agenda’, *Research Policy* 45(8): 1545–1557, <https://doi.org/10.1016/j.respol.2016.03.010>
- Mina, A. (with H. Lahr) 2016 ‘Venture capital investments and the technological performance of portfolio firms’, *Research Policy* 45(1): 303–318 <https://doi.org/10.1016/j.respol.2015.10.001>
- Mina, A. (with Henry Lahr) 2014 ‘Liquidity, technological opportunities, and the stage distribution of venture capital investments’, *Financial Management* 43(2): 291–325, <https://doi.org/10.1111/fima.12048>
- Mina, A. (with E. Bascavusoglu-Moreau and A. Hughes) 2014 ‘Open service innovation and the firm’s search for external knowledge’, *Research Policy* 43(5): 853–866, <https://doi.org/10.1016/j.respol.2013.07.004> (Special Issue ‘Open Innovation: New Insights and Evidence’ edited by J. West, A. Salter, W. Vanhaverbeke and H. Chesbrough).
- Mina, A. (with E. Bascavusoglu-Moreau and A. Hughes) 2013 ‘Exploiting knowledge flows: Openness and the innovative performance of business services’, *Best Paper Proceedings, 2013 Academy of Management Meeting*, <https://journals.aom.org/doi/abs/10.5465/ambpp.2013.188>
- Mina, A. (with J. Probert and D. Connell) 2013 ‘R&D service firms: The hidden engine of the high-tech economy?’, *Research Policy* 42(6-7): 1274–1285 <https://doi.org/10.1016/j.respol.2013.03.004>
- Mina, A. (with H. Lahr and A. Hughes) 2013 ‘The demand and supply of external finance for innovative firms’, *Industrial and Corporate Change* 22(4): 1-33. <https://doi.org/10.1093/icc/dtt020>
- Mina, A. (with B. Tether and C. Li) 2012 ‘Knowledge-bases, places, spatial configurations and the performance of knowledge-intensive professional service firms’, *Journal of Economic Geography* 26: 969-1001, <https://doi.org/10.1093/jeg/lbs015>
- Mina, A., 2009, ‘The emergence of new knowledge, market evolution and the dynamics of micro-innovation systems’, *Economics of Innovation and New Technology* 18(5): 447-466, <https://doi.org/10.1080/10438590802547167>
- Mina, A. (with J. Costa-Font and C. Courbage), 2009, ‘Innovation and health: Pathways to new technologies’, *Economics of Innovation and New Technology* 18(5): 403-406 <https://doi.org/10.1080/10438590802547092>
- Mina, A. (with D. Consoli), 2009, ‘An evolutionary perspective on health innovation systems’, *Journal of Evolutionary Economics*, 19(2): 297-319, <http://dx.doi.org/10.1007/s00191-008-0127-3>
- Mina, A. (with R. Ramlogan, G. Tampubolon, G. and J. S. Metcalfe), 2007, ‘Mapping evolutionary trajectories: Applications to the growth and transformation of medical knowledge’, *Research Policy* 36(5): 789-806, <https://doi.org/10.1016/j.respol.2006.12.007>
- Mina A. (with R. Ramlogan, G. Tampubolon, and J. S. Metcalfe), 2007, ‘Networks of knowledge: The distributed nature of medical innovation’, *Scientometrics* 70(3): 459-489, <https://dx.doi.org/10.1007/s11192-007-0212-7>
- Mina A. (with J.S. Metcalfe and A. James), 2005, ‘Emergent innovation systems and the delivery of clinical services: The case of intra-ocular lenses’, *Research Policy* 34(9): 1283-1304, <https://doi.org/10.1016/j.respol.2005.01.015>

Under review

- Cirillo, V., Fanti, L., Mina, A., Ricci, A., 2022, ‘Digitizing firms: skills, work organization and the adoption of new enabling technologies’, R&R. Working paper version available [here](#).

- (with E. Romito and A. Martinelli) 'Collective licensing: The double effect of the Medicine Patent Pool on access to drugs in developing countries', R&R. Working paper version available [here](#).
- (with J. Tagliatalata) 'Innovation, asymmetric information and the capital structure of new firms', R&R. Working paper version available [here](#).
- (with R. Danna and M. Iori) 'A Numerical Revolution: The diffusion of practical mathematics and the growth of pre-modern European economies'. *Winner of the BEST PAPER AWARD*, DRUID Summer Conference 2022, Copenhagen Business School, 13-15th June 2022, under review. Working paper version available [here](#).

In progress

- (with M. Iori and A. Martinelli) 'The direction of technical change in AI and the trajectory effects of government funding', *Nominated for the Best Paper Award* of the Strategic Management Society Knowledge and Innovation Interest Group, SMS Annual Conference, London, 17-20th September 2022, in preparation for journal submission. Working paper version available [here](#).
- (with A. Khan and S. Massini) 'Intermediaries and the Orchestration of Emergent Enabling Technologies – The Case of Organic and Printed Electronics', in preparation for journal submission. Working paper available [here](#).
- (with V. Cirillo, and A., Ricci) 'Digital technologies, labour market flows and investment in training: Evidence from Italian employer-employees data', in preparation for journal submission, Working paper version available [here](#).
- (with G. Tripodi, F. Lamperti, F. Chiaromonte, F. Lillo, and R. Mavilia) 'Advances in negative emissions technologies generate heterogeneous knowledge spillovers', in preparation for journal submission. Working paper available [here](#).

Books and Long Reports

- (with D. Consoli, R.R. Nelson, and R. Ramlogan) 2016. [Medical Innovation: Science, Technology and Practice](#), Routledge: London.
- (with D. Docherty, D. Eyton, A. Hughes, B. Martin, S. Pearce, and J. Probert) 2013 '[Growing Value: Business-University Collaboration for the 21st Century](#)', National Centre for Universities and Business, London.
- (with J. Probert), 2012, '[Enhancing Collaboration, Creating Value: Business Interaction with the UK Research Base in Four Sectors](#)', Council for Industry and Higher Education (CIHE), London.
- (with A. Hughes), 2012, '[The UK R&D Landscape](#)', Council for Industry and Higher Education (CIHE), London.
- (with D. Cox, J. Edler, K. Flanagan, P. Cunningham) '[Study on Ireland's International Engagement in Science, Technology and Innovation](#)', Report for the Irish Department of Enterprise, Trade and Employment (FORFÁS).
- (with B. Tether, D. Consoli and D. Gagliardi), 2005, '[A literature review on skills and innovation: How does successful innovation impact on the demand for skills and how do skills drive innovation?](#)', Report for the Department of Trade and Industry (UK), London.

Short Reports

- 'Collaboration in services vis-à-vis manufacturing', 2015, chapter in '*The State of the Relationship's Report*', National Centre for Universities and Business (NCUB), London.
- 'Innovation Intermediaries', 2014, chapter in '*The State of the Relationship's Report*', National Centre for Universities and Business (NCUB), London.
- (with A. Hughes), 2010, 'The impact of the Patent System on SMEs', Report for the UK Strategic Advisory Board for Intellectual Property (SABIP/UK Intellectual Property Office), London.

- 'Corporate Venture Capital: A review of the literature and data', 2009, *Report* for the Council of Science and Technology, London.
- (with P. Cunningham and D. Gagliardi), 2007, 'Regional Investment in Research: The Case of Emilia Romagna', *ETEPS Report* for the Institute for Prospective Technology Studies (IPTS) of the European Commission, Brussels.

Book Chapters

- Deakin, S. and A. Mina (2013) 'Institutions and Innovation: Is Corporate Governance the Missing Link?', in Pittard, M., Monotti, A. and J. Duns (eds.) *'Business Innovation: A Legal Balancing Act - Perspectives from Intellectual Property, Labour and Employment, Competition and Corporate Laws'*, Edward Elgar, Cheltenham, UK, pp. 456–482.
- Consoli, D., McMeekin, A., Metcalfe, J.S., Mina, A. and R. Ramlogan (2009) *'The Process of Healthcare Innovation: Problem Sequences, Systems and Symbiosis'* in J. Costa-i-Font, C. Courbage and A. McGuire (eds.) *The Economics of New Health Technologies: Incentives, Organisation and Financing*, Oxford University Press, Oxford and New York.
- Mina, A. and R. Ramlogan (2008) 'Health Innovation Processes at the Public-Private Interface', book chapter in Windrum, P. and P. Koch (eds.), *'Innovation in Public Services: Management, Creativity, and Entrepreneurship'*, Edward Elgar, Cheltenham, UK.

Recent Working Papers

- Tripodi, G., Lamperti, F., Mavilia, R., Mina, A., Chiaromonte, F., Lillo, F., 2022, 'Quantifying knowledge spillovers from advances in negative emissions technologies', LEM Working Paper 2022/17, <https://www.lem.sssup.it/WPLem/files/2022-17.pdf>
- Cirillo, V., Mina, A., Ricci, A., 2022, 'Digital technologies, labour market flows and investment in training: Evidence from Italian employer-employees data', [INAPP Working Paper n. 79](#).
- Cirillo, V., Fanti, L., Mina, A., Ricci, A., 2021, 'Digital technologies and firm performance: Industry 4.0 in the Italian economy', INAPP Working Paper 61. <https://oa.inapp.org/xmlui/handle/123456789/862>
- Iori, M., Martinelli, A., Mina, A., 2021, 'The direction of technical change in AI and the trajectory effects of government funding', LEM Working Paper 2021/41 <http://www.lem.sssup.it/WPLem/files/2021-41.pdf>
- Tagliatalata, J., Mina, A. 2021, 'Innovation, asymmetric information and the capital structure of new firms', LEM Working Paper Series No. 2021/36, <https://www.lem.sssup.it/WPLem/2021-36.html>
- Cirillo, V., Fanti, L., Mina, A., Ricci, A., 2020, 'Digitizing firms: skills, work organization and the adoption of new enabling technologies', INAPP Working Paper 53. <https://oa.inapp.org/xmlui/handle/123456789/730>
- Martinelli, A. Mina, A. Moggi, M. 2019, 'The enabling technologies of Industry 4.0: Examining the seeds of the Fourth Industrial Revolution', LEM Working Paper 2019/09, <http://www.lem.sssup.it/WPLem/files/2019-09.pdf>
- Mina, A., Lahr, H., 2018, 'The pecking order of innovation finance', *LEM Working paper* 2018/31 <http://www.lem.sssup.it/WPLem/files/2018-31.pdf> (also: Mina, Andrea and Lahr, Henry, The Pecking Order of Innovation Finance (August 1, 2018). Available at SSRN: <https://ssrn.com/abstract=3224441> or <http://dx.doi.org/10.2139/ssrn.3224441>)
- Rocchetta, S., Mina, A., 2018 'Adaptive resilience and technological coherence: empirical evidence from the UK regions', *LEM Working paper* 2018/30, <http://www.lem.sssup.it/WPLem/files/2018-30.pdf>, and *Papers in Evolutionary Economic Geography* n. 17.13. <http://econ.geo.uu.nl/peeg/peeg1713.pdf>

- Mina, A. and H. Lahr (2011) 'Venture Capital in Europe: Recovery, Downsizing or Breakdown?', FINNOV FP7 Working Paper 3.2. <http://www.finnov-fp7.com/publications/finnov-discussion-papers/venture-capital-in-europe.html>
- Mina, A. (2010) 'Knowledge and the Evolving Economy', *CBR Working Paper n. 412*. <https://www.cbr.cam.ac.uk/wp-content/uploads/2020/08/wp412.pdf>.
- Hughes, A. and Mina, A. (2010) 'The impact of the Patent System on SMEs', *CBR Working Paper n. 411*. <https://www.cbr.cam.ac.uk/wp-content/uploads/2020/08/wp411.pdf>
- Wennberg, K., Lee, C., Tether, B. and Mina, A. 'Turning Digital: Diversification in UK Design Consulting', *Imperial College London (Business School) Working Paper, March 2010* and *CBR Working Paper n. 413*. <https://www.cbr.cam.ac.uk/wp-content/uploads/2020/08/wp413.pdf>
- Mina, A., Connell, D., Hughes, A. (2009) 'Models of Technology Development in Intermediate Research Organisations', *CBR Working Paper n. 396*, University of Cambridge. <http://www.g.eng.cam.ac.uk/CIKC/docs/WP396.pdf>

CONFERENCES, WORKSHOPS & INVITED SEMINARS

2022

Invited Discussant for the Swedish Schumpeter Lecture 2022, University of Gothenburg, 14 December; *WOMI – Workshop on Medical Innovation 2022*, University of Gothenburg, 12-13 December; *Società Italiana di Economia (SIE) Annual Conference*, University of Turin, 20-22 October; *Strategic Management Society Annual Conference*, London, 17-20 September; *OECD MicroBeRD+ Workshop (Invited External Expert)*, Paris, 12 September; *DRUID Summer Conference*, 13-15 June, Copenhagen Business School, Copenhagen; *Global Conference on Economic Geography*, 7-10 June, University College Dublin & Trinity College Dublin; *Economic History Society Annual Conference*, Robinson College, University of Cambridge, 1-3 April; 'Technology, Employment and Industrial Dynamics: Theory and Empirical Evidence' Workshop, Scuola Superiore Sant'Anna, Pisa, 7-8th April; Max Planck for Innovation and Entrepreneurship Seminar Series, Munich, 27 April; BETA/University of Strasbourg Seminar Series, 9 June (online).

2021

Workshop on Medical Innovation (WOMI2021), University of Gothenburg, 16-17 December (online); 10th *International Conference on Complex Networks and their Applications*, Madrid, Spain, November 30 - December 2; 8th European Conference on Corporate R&D and Innovation (CONCORDi 2021) "Industrial Innovation for Competitive Sustainability", EC/JRC Seville, 22-25 November (online); DRUID Summer Conference, Copenhagen Business School, 18-20 October; 4th 'Rethinking Clusters' Conference 22-23 September, University of Florence (online), Gran Sasso Science Institute Seminar Series, 16 June, (online), SIEPI 'Società Italiana di Economia e Politica Industriale' XIX Annual Workshop, 10-11 June (online); SSSA/ARTES4.0 Workshop "Varieties of Technological and Organizational Changes in the Age of Automation and Digitalisation", Pisa, 27 May; 17th European Network on the Economics of the Firm (ENEF) Conference, 21-22 January Department of Economics, University of Bergamo (online).

2020

5th Geography of Innovation Conference, 29-31 January, University of Stavanger; JRC Brussels Workshop 'Entrepreneurial ecosystems for high growth enterprises', 26-27 February; NBER Summer Institute (Innovation and Productivity), National Bureau of Economic Research, 14-15 July (online); European Economic Association (Virtual) Congress 2020, 24-28 August, 13th Annual Northwestern/USPTO Conference on Innovation Economics (online), 27-28 August, 61st Annual Conference of the Italian Economics Society (SIE), 20-23 October; Invited Seminar at the University of Padua, Department of Economics, 3 November.

2019

Data Science PhD Colloquium, Invited short talk, 13-14 February, Officine Garibaldi, Pisa; Invited Seminar, 26 March, University of Pisa; Copenhagen Business School, Invited Seminar, 28 March, Copenhagen; Invited Senior Discussant at the YETI (Young Economists of Tuscan Institutions) Workshop, 12 April, University of Siena; RENIR/Collegio Carlo Alberto Workshop "A Great Transformation? Workshop on the impact of automation and artificial intelligence on regional economies", 27-28 May, University of Turin; European Meeting on Applied Evolutionary Economics 2019 (EMAEE) "Economics, Governance and Management of AI, Robots and Digital Transformations", 3-5 June, Attenborough Centre for the Creative Arts, SPRU/University of Sussex; DRUID Summer Conference, Copenhagen Business School, 19-21 June; 7th European Conference on Corporate R&D and Innovation (CONCORDi 2019) "Innovation for Industrial Transformation, EC/JRC Seville, 23-25 September; 60th Conference of the Italian Economics Society (SIE), 24-26 October, Univ. of Palermo.

2018

4th Geography of Innovation (GEOINNO) Conference, 31 January-2 February, University of Barcelona; 'Rethinking Clusters', 3-4 May, Department of Economics and Management, University of Florence; DRUID Summer Conference, Copenhagen Business School, 11-13 June; EPO Workshop "Innovation in an International Context: Technological Change, Intellectual Property & the Economy", 13-14 June, University College Dublin; 'Innovation, entrepreneurship and organizational behavior' Workshop, 6-7 December, University Pantheon-Sorbonne, Paris; WOMI Medical Innovation Workshop, 12-14 December, Utrecht University, Utrecht.

2017

Collegio Carlo Alberto Seminar Series, 25 May, University of Turin; MIOIR Anniversary Workshop on 'Knowledge Intensive/Professional Services', University of Manchester, 6 June; DRUID Summer Conference, Stern Business School, New York University, 12-14 June; 'Innovation and Entrepreneurship Conversation' Workshop, Imperial College London/Royal Society, 23-24 June.

2016

WOMI Workshop on Medical Innovation, SPRU/University of Sussex, 15-16 December, Brighton; European Regional Science Association Congress, 23-26 August, Vienna; University of Southampton Business School Seminar Series, 10 March, Southampton.

2015

WOMI Workshop on Medical Innovation, INGENIO/Technical University of Valencia, 3-4 December, Valencia; 2nd World Open Innovation Conference (WOIC), 18-20 November, University of California Berkeley/ Santa Clara; EPFL - Ecole Polytechnique Fédérale de Lausanne, Institute of Technology and Public Policy/College of Management of Technology Seminar Series, 23 October, Lausanne; EC FP7 CRE8TV.EU Early Career Researcher Workshop, Manchester Business School, Manchester, 17-18 September (*Invited Senior Discussant*); AoM Annual Meeting, August 7-11, Vancouver, British Columbia; Darden & Cambridge Judge Entrepreneurship and Innovation Research Conference, Cambridge Judge Business School 29-30 June; DRUID Summer Conference, LUISS Guido Carli, Rome, 15-17 June (*Semi-plenary Session Speaker*).

2014

'Innovation and Entrepreneurship in Health Care and Life Sciences' Workshop, School of Business, Economics and Law, University of Gothenburg, 11-12 December; Association of British Pharmaceutical Association (ABPI) SMEs Policy Workshop, London, 11 September; International Schumpeter Society Conference, Friedrich Schiller University, Jena, 27-30 July; DRUID Summer Conference, Copenhagen Business School, Copenhagen, 16-18 June; Darden & Cambridge Judge Entrepreneurship and Innovation Research Conference, Cambridge Judge Business School, 19-20 June; University of Turin, Collegio Carlo Alberto, Economics of Innovation and Knowledge Seminar Series, Turin, 9 April.

2013

UK-IRC 'Profiting from Service Innovation' Workshop, Imperial College, London 9 October; Financial Management Association (FMA) Annual Meeting, Chicago, 16-19 October; CONCORDi-2013 Conference, JRC-IPTS, Seville, 26-27 September; AoM Annual Meeting, Lake Buena Vista, Orlando, 9-13 August; DRUID Summer Conference, ESADE, Barcelona, 17-19 June.

2012

AoM Annual Meeting, Boston, 3-7 August; International Schumpeter Conference, University of Queensland, Brisbane, 2-5 July; 'Open Innovation: New Insights and Evidence', Imperial College London, 25-26 June; DRUID Summer Conference 2012, Copenhagen Business School, Copenhagen, June 19-21 (*Semi-plenary Session Discussant*); SPRU-CENTRIM Freeman Centre Seminar Series, University of Sussex, Brighton, 18 May; EC FP7 'FINNOV - Finance, Innovation and Growth' Final Conference, House of Commons, UK Parliament, and Italian Institute of Culture, London, 1st-2nd February; UK Department of Business, Innovation and Skills (BIS), Invited Seminar, London, 31 January (with A. Hughes); DRUID Winter Conference 2012, Queens College, Cambridge, 19-20 January (*Invited Senior Discussant*).

2011

UK-IRC Innovation Summit, IBM, Hursley ('Servitisation' Parallel Session Chair) 25 November; UK Department of Business, Innovation and Skills (BIS), Invited Seminar, London, 11 November (with A. Hughes); Manchester Institute of Innovation Research, Manchester Business School, Seminar Series, 14 November; EAEPE Annual Conference 'Schumpeter's Heritage - The Evolution of the Theory of Evolution', Vienna, 27-30 October; AoM Annual Conference, San Antonio, Texas, 12-16 August; UK-IRC Open Innovation Workshop, Queens College, Cambridge, 7-8 July; SASE Annual Conference, Universidad Autónoma de Madrid, Madrid, 23-25 June; DRUID Summer Conference 2011, Copenhagen Business School, Copenhagen, 15-17 June; EC FP7 'FINNOV - Finance, Innovation and Growth' Annual Conference, Economics Institute, Prague, 19-20 May; INGENIO (Spanish Council for Scientific Research/Polytechnic University of Valencia) Seminar Series, 14 April; 'Professional Services: Innovation and Practices' UK-IRC and AIM Workshop, Imperial College London Business School, 10-11 March; Friedrich Schiller University/Max Planck Institute for Economics Seminar Series, Jena, 2 February.

2010

Darwin College, University of Cambridge, Research Methods and Proposals Development Workshop, 17 December; Festschrift in Honour of Professor J. S. Metcalfe, Manchester Institute of Innovation Research, Manchester, 11-12 November; 'Innovation, Governance and Finance: Current Issues and New Challenges', Maison des Sciences de L'Homme/CNRS Paris Nord International Conference, Paris, 8-10 November; Academy of Management Annual Meeting, Montreal, 6-10 August; EC FP7 'VICO' Conference, Milan Polytechnic, Milan, 8 July (*Invited External Discussant*) International Schumpeter Society Conference, Aalborg, 21-24 June; DRUID Summer Conference, Imperial College London, 16-18 June (*Plenary session paper*); EC FP7 'FINNOV - Finance, Innovation and Growth' Annual Conference, Sant'Anna School of Advanced Studies, Pisa, 13-14 May; SABIP/UK Intellectual Property Office, London, 11 March; National Physical Laboratory (NPL), Teddington, UK, 25 February; Hauser Review of the UK Innovation Landscape Workshop, 29 January, NESTA, London.

2009

'Art Meets Technology' Workshop, Feldafing, Starnberger See, Munich, 13-16 October; Comparative Analysis of Enterprise Micro Data (CAED) Conference, Hitotsubashi University, Tokyo, 2-4 October; UK-IRC Conference, Imperial College, London, 11-12 June.

2008

BRICK-GREDEG Workshop 'The Dynamics of Knowledge and Innovation in Knowledge-Intensive Industries', BRICK Collegio Carlo Alberto, Moncalieri, Turin, 18-19 December; The 25th DRUID Celebration Conference 'Entrepreneurship and Innovation', Copenhagen Business School, 17-20 June; OECD Delegation Visit seminar, Centre for Business Research, 6 February.

2007

Judge Business School/CBR, CIKC Seminar Series, University of Cambridge, 12 December; The Wallenberg Symposium on 'Medicine, Technology and Economics 'Seeking Strategies for Research and Teaching in Converging Fields, Stockholm, 23-26 October; 'Technology, innovation and change in health and healthcare' Symposium, Brocher Foundation, Geneva 18-19 October; EMAEE Conference 'Globalisation, Services and Innovation: The Changing Dynamics of the Knowledge Economy', Manchester Metropolitan University, 17-19 May; CESPRI Seminar Series, Bocconi University, Milan, 7 February.

2006

'From Innovation to Mainstream Healthcare Services: Addressing the Challenges of Translation' Workshop, University of Warwick, 29 November; SPRU 40th Anniversary Conference: 'The Future of Science, Technology and Innovation Policy: Linking Research and Practice', 11-13 September; 2.4 DIME Workshop 'The Emergence of Markets and Their Architecture', Paris, 4-5 May; CRIC/IoIR Seminar Series, University of Manchester, Manchester, 13 February.

2002-2005

5th Triple Helix Conference 'The Capitalization of Knowledge: Cognitive, Economic, Social & Cultural Aspects', Turin (Italy), 18-21 May 2005; SPRU-CENTRIM Freeman Centre Seminar Series, University of Sussex, Brighton, 25 November 2005; 2nd Globelics Conference, Tsinghua University (Beijing, China) 16-20 October 2004; 'Organisations, Innovation and Complexity: New Perspectives on the Knowledge Economy' Workshop, CRIC (Manchester), 9-10 September 2004; 'Healthy Innovation' Workshop, CRIC (Manchester), 8-10 July 2004; 'Organisation of Market Exchange' Workshop, CRIC, University of Manchester, 5-6 June 2003; 'Karl Polanyi' Workshop, CRIC, Univ. of Manchester, 25-28 October 2002.

Events

- Co-organiser of the 2022 EMbeDS (Economics and Management in the Era of Data Science) Workshop, Pisa, 4-5 July.
- Co-organiser of the workshop 'Technology, Employment and Industrial Dynamics: Theory and Empirical Evidence, Scuola Superiore Sant'Anna, Pisa, Italy, 7-8 April, 2022.
- Moderator of the Seminar 'Vaccini e brevetti ai tempi della pandemia: una coesistenza impossibile? (in Italian)', Scuola Superiore Sant'Anna, 13 May 2021.
- Organiser of the 2019 Workshop on Medical Innovation, Sant'Anna School of Advanced Studies, Pisa, 12-13 December 2019.
- Co-organiser (jointly with N. Matthews, D. Moschella and G. Dosi), 14th European Network on the Economics of the Firm (ENEF) Meeting, Sant'Anna School of Advanced Studies, Pisa, September 2016
- Co-organiser (jointly with M. Perkmann), Advanced Institute of Management/FP6-DIME Workshop 'The Management of University-Industry Centres', Imperial College London, 27 September 2011.
- Organiser, Innovation and Commercialisation Expert (ICE) Seminar Series, Cambridge Integrated Knowledge Centre, University of Cambridge, 2008 and 2009, and (jointly with A. de Meyer) *CIKC Seminar*, Judge Business School/CBR, University of Cambridge, 12th December 2007
- Member of the Scientific Committee of the 5th EMAEE (European Meeting on Applied Evolutionary Economics) Conference on Innovation 'Globalisation, Services and Innovation: The Changing Dynamics of the Knowledge Economy', Manchester Metropolitan University Business School, 17-19 May 2007
- Co-organiser of the workshop 'Instituting the Market Process: Innovation, Market Architectures and Market Dynamics (joint initiative of CRIC with LEM, Sant'Anna School of Advanced Studies), Manchester, 7-8th December 2006

- Co-organiser of the Workshop ‘The Emergence of Markets and Their Architecture’ (joint initiative of CRIC and CEPN-IIDE, University of Paris 13), Paris, 4-5 May 2006.

PROJECTS

- (SSSA Contact/Principal Co-Investigator) EC EIT Pilot Call: HEI Initiative – Innovation Capacity Building for Higher Education, Project ID 101035811, Total value: € 1.2m. July 2021-July 2023.
- (SSSA Contact/Principal Co-Investigator) EC Horizon2020 “InnoCORE” Project ID 101035811, Total value: € 2m. Feb 2021-Feb 2023.
- (SSSA Contact/Principal Co-Investigator) Erasmus+2020 European Universities Project ‘EELISA’ (European Engineering Learning Innovation and Science Alliance), Project ID 101004081, Total value: € 5m, 1 Nov 2020 - 1 Nov 2023.
- (Co-investigator) MIUR PRIN 201799ZJSN ‘Technological change, industry evolution and employment dynamics’, 2020-2023 (Local Lead: Prof. D. Moschella).
- (Co-investigator), *Jean Monnet Centre of Excellence on the Regulation of Robotics and AI*, European Commission/ Erasmus+ Programme, Reference: 600295-EPP-1-2018-1-IT-EPPJMO-CoE (total value: € 100.000), 2018-2020.
- (Co-investigator), Industry 4.0 Competence Centre “*Advanced Robotics and enabling digital TEchnologies & Systems 4.0 (ARTES 4.0)*”, Italian Ministry of Economic Development (MISE), (total value € 7.5m, 2018-to date.
- (Principal Co-investigator) ‘*Digital Platforms and Innovation: Case Studies on European SMEs*’, JRC-Seville, Ares 3574031-455-2 (Total value: € 15.000), 2017.
- (Principal Co-investigator) ‘*Financial constraints and firm behaviour: an empirical analysis of the SME Instrument of H2020.*’ JRC-Brussels, Tender Ares (2017) 4435812, Contract n. CCR.B.C933770.X1. (Total value: € 15.000), 2017.
- (Co-investigator) ‘*Global R&D*’, joint project with the Centre for Science, Technology, and Innovation Policy/Institute for Manufacturing, HEFCE (Total value: £ 58,000), 2015-2016.
- (Co-Investigator) ‘*Innovation and Performance in Business Services*’, UK Innovation Research Centre, Cambridge/Imperial College Business School, 2009-2013 (Total value: £ 1.4m)
- (Principal Co-investigator) ‘*Enhancing Value: Getting the Most out of UK Research*’, Council for Industry and Higher Education, UK, 2011-2012 (Total value: £ 110,000)
- (Cambridge Principal Investigator) ‘*Capital Markets and Innovation: Financing Business Experimentation in Europe*’, Work Package 3 of project *FINNOV – Finance, Innovation and Growth: Changing Patterns and Policy Implications*, EC 7th Framework Programme, 2009-2012 (Total value: €1,494,870)
- (Co-investigator) ‘*Cambridge Integrated Knowledge Centre for Photonics and Electronics*’, Engineering and Physical Science Research Council (EPSRC), 2007-2012 (Total value: £ 5,172,360)
- (Principal Co-Investigator) ‘*Corporate Governance and Innovation*’, Doshisha University, Tokyo, 2011 (Total value: £ 15.000)
- (Co-Investigator) ‘*University Research Centres: Organizational innovation at the university-industry interface*’ DIME (extension of EC 6th Framework Programme: Dynamics of Institutions and Markets in Europe), 2009-2010 (Total value: €119,800).
- (Researcher) ‘*A Study on Ireland’s International Engagement in Science, Technology and Innovation*’, FORFÁS, Department of Enterprise, Trade and Employment, Ireland, May-August 2007
- (Researcher) ‘*Specific Analysis on the Regional Dimensions of Investment in Research*’, ETEPS (European Techno-Economic Policy Support Network) project, January-April 2007

- (Researcher) 'Skills and Innovation', Department of Trade and Industry (DTI), Feb-September 2005.

Scholarships

- *ESRC MSc Scholarship*, SPRU (University of Sussex), 2000
- *Erasmus Scholarship*, University Jean Moulin Lyon 3, Lyon, France, 1997
- *SAI Insurance Group Scholarship*, won on a competition basis every year between 1994 and 1998.

Prior non-academic jobs

- Sofres - Lyon (Lyon, France): Social and market research investigator, 1998
- University of Turin, Faculty of Medicine (Turin, Italy): Assistant Secretary, 1996.

SERVICE

Editorial activities

- Associate Editor of *Industry and Innovation*, 2017-2020.
- Guest editor of the special issue 'Innovation and Health: Pathways to New Technologies', *Economics of Innovation and New Technology*, Vol. 18, Issue 5, 2009.
- Co-editor of the Manchester Institute of Innovation Research *Working Paper Series*, June – Sept 2007.

Memberships to Professional Associations:

- European Economic Association (EEA)
- American Economic Association (AEA)
- Royal Economic Society (RES)
- International Schumpeter Society (ISS)
- Danish Research Unit on Industrial Dynamics (DRUID)
- Società Italiana degli Economisti (SIE)

Refereeing activities

- (1) Journals (in alphabetical order): *Cambridge Journal of Economics*, *Economic Letters*, *Economic Policy*, *Economics of Innovation and New Technology*, *Entrepreneurship Theory and Practice*, *European Journal of Economic and Social Systems*, *Health Economics*, *Journal of Chinese Economic and Business Studies*, *Journal of Business Research*, *Journal of Economic Geography*, *Journal of Economics and Statistics*, *Journal of Engineering & Technology Management*, *Journal of Evolutionary Economics*, *Journal of Industrial and Business Economics*, *Journal of Product Innovation Management*, *Industrial and Corporate Change*, *Industry and Innovation*, *Organization Science*, *Organisation Studies*, *Oxford Economic Papers*, *PLOS ONE*, *Public Management Review*, *Regional Studies*, *Research Evaluation*, *Research Policy*, *R&D Management*, *Science and Public Policy*, *Small Business Economics*, *Social Science and Medicine*, *Spatial Economic Analysis*, *Strategic Organization*, *Systems Research and Behavioural Science*, *Technological Forecasting and Social Change*, *Technovation*, *Telecommunications Policy*.
- (2) Publishers: *Cambridge University Press*, *Palgrave Macmillan*.
- (3) Government and Research Funding Bodies: *European Commission*, *Social Science and Humanities Framework Programme (EC-FP7-SSH)*, *Italian Ministry of Education, Universities and Research (MIUR)*, *Royal Society*, *UK Department of Business, Innovation and Skills*, *UK Economic and Social Research Council (ESRC)*.

Other Academic Services

- Member of the Executive Board of the EELISA European University, 2020 to date
- Member of the Advisory Board of the Confucius Institute, Sant'Anna School of Advanced Studies and Chongqing University, 2019 to date
- Academic Board Member of the SSSA PhD in Economics (2017-to date) and the SSSA PhD in Health Science, Technology and Management (2020 to date)

- Member of the Academic and Research Board, and SSSA Business Development Node Coordinator, of ARTES 4.0 Advanced Robotics and enabling digital TEchnologies & Systems 4.0, Centro di Competenza ai sensi dell'art. 1, c. 115, L. 11/12/2016, n. 232 e del DD di Concessione della DGPICPMI Prot. 09/2019 del 29/4/2019, CUP: B81J18000090008, 2019-2022
- Member of the EURA Jean Monnet Centre of Excellence on the Regulation of Robotics and Artificial Intelligence, 2019 to date
- Member and Rapporteur of the Rector's SSSA Internationalisation Working Group, 2019.
- Teaching Co-ordinator for the SSSA Economics and Management College students, 2016-2019
- Secretary and Member of the G.L.S. Shackle Committee, St Edmund's College, Cambridge, 2016-17
- Member of the Centre for Business Research (CBR) Exe Committee, Univ. of Cambridge 2015 to date
- Internal PhD Examiner (University of Cambridge, Sant'Anna School of Advanced Studies)
- External PhD Examiner (University of Manchester, University of Aalborg, University of Turin, IMT School of Advanced Studies, University of Siena, Bocconi University)
- Management Studies Tripos Internal Review Committee (Cambridge Judge Business School), 2016
- Engineering Studies Tripos IIA Group Examiner (University of Cambridge), 2014-16
- Centre for Science and Policy, Policy Fellows Network (University of Cambridge), 2008-2016.

Other Services

- Member of the UK Council for Industry and Higher Education (CIHE)/UK-IRC Working group of the *Task Force 'Enhancing Value: Getting the Most out of UK Research'*, 2010-2013
- External Expert for the Italian National Agency for the Evaluation of Universities and Research Institutes, 2013-15.

Press (authored articles)

- *VoxEU*, 19 July 2020: <https://voxeu.org/article/causal-effects-rd-grants>
- *LaVoce*, 31 July 2020: <https://www.lavoce.info/archives/68838/buoni-investimenti-il-sostegno-a-ricerca-e-sviluppo-delle-pmi/>

Media coverage

Coverage of Horizon2020 European Universities Project 'EELISA':

- *ANSA*: https://www.ansa.it/europa/notizie/rubriche/europa_delle_regioni/2020/07/14/ue-premia-tre-atenei-toscani-1eb63937-634d-437b-893e-0d56e951c3c3.html, *Il Messaggero*: https://www.ilmessaggero.it/speciali/quieuropa/ue_premia_tre_atenei_toscani-5346372.html, *La Gazzetta del Mezzogiorno*: <https://www.lagazzettadelmezzogiorno.it/news/europa-altre-news/1238686/ue-premia-tre-atenei-toscani.html>, *La Nazione*: <https://www.lanazione.it/cronaca/normale-e-sant-anna-selezionate-per-un-network-internazionale-dalla-commissione-europea-1.5316491>, *Telegranducato*: <https://www.telegranducato.it/2020/07/13/normale/>.

Coverage of the paper 'The causal effects of R&D grants: evidence for a regression discontinuity':

- *Sole24 Ore*, 13 June 2020

Coverage of 'Venture capital investments and the technological performance of portfolio firms':

- *San Francisco Chronicle*, 11 December 2015
- *Business Weekly*, 14 December 2015
- *Cambridge Network*, 15 December 2015

Coverage of the UK-IRC/CIHE 'UK R&D Landscape' Report:

- *The Guardian*, 13 May 2014
- *Finfacts* 23 June 2012