

Federico Bianchi

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Born: 29 July, 1987 — Como, Italy
Nationality: Italian

Current and past positions

Jul, 2017 —	Post-Doc Researcher GECS - Research Group on Experimental and Computational Sociology, Department of Economics and Management, University of Brescia, Italy
Feb - Jul, 2017	Research Assistant GECS - Research Group on Experimental and Computational Sociology, Department of Economics and Management, University of Brescia, Italy
Mar - Apr, 2017	Visiting Researcher Department of Computer Science, University of Valencia, Spain Host: Francisco Grimaldo Moreno
Sep - Nov, 2016	Visiting PhD Student, Department of Sociology / ICS, University of Groningen, The Netherlands Host: Andreas Flache

Education

2017	Ph.D., Economic Sociology and Labour Studies, <i>with distinction</i> University of Brescia, University of Milan, University of Eastern Piedmont (Italy) Dissertation: <i>The Social from the Economic. The Emergence of Solidarity within Networks of Economic Exchange</i> Supervisor: Flaminio Squazzoni
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- 2013 M.A., Sociology, *cum laude*, University of Turin (Italy)
 Dissertation: *Interests and Identity in Collective Action: A Social Simulation Approach*
 (recommended for publication)
 Advisors: Filippo Barbera, Pietro Terna
- 2010 B.A., Philosophy, *cum laude*, University of Milan (Italy)
- 2008 - 2009 Erasmus Student, University of Tübingen (Germany)

Publications

Peer-reviewed articles

- 2018 Bianchi, Federico, Francisco Grimaldo, Giangiacomo Bravo, and Flaminio Squazzoni. "The Peer Review Game: An Agent-Based Model of Scientists Facing Resource Constraints and Institutional Pressures." *Scientometrics*, 116(3): 1401-1420. doi: [10.1007/s11192-018-2825-4](https://doi.org/10.1007/s11192-018-2825-4).
- 2018 Bianchi, Federico, Niccolò Casnici, and Flaminio Squazzoni. "Solidarity as a Byproduct of Professional Collaboration: Social Support and Trust in a Coworking Space." *Social Networks* 54: 61-72. doi: [10.1016/j.socnet.2017.12.002](https://doi.org/10.1016/j.socnet.2017.12.002).
- 2016 Bianchi, Federico, and Flaminio Squazzoni. "Is Three Better than One? Simulating the Effect of Reviewer Selection and Behavior on the Quality and Efficiency of Peer Review." Pp. 4081-4089 in *Proceedings of the 2015 Winter Simulation Conference*, edited by L. Yilmaz, W. K. V. Chan, I. Moon, T. M. K. Roeder, C. Macal, and M. D. Rossetti. Piscataway, NJ: IEEE Press. doi: [10.1109/WSC.2015.7408561](https://doi.org/10.1109/WSC.2015.7408561).
- 2015 Bianchi, Federico, and Flaminio Squazzoni. "Agent-Based Models in Sociology." *Wiley Interdisciplinary Research: Computational Statistics* 7: 284-306. doi: [10.1002/wics.1356](https://doi.org/10.1002/wics.1356).

Book chapters

- 2017 Bianchi, Federico, and Flaminio Squazzoni. "J. S. Coleman. Scambio economico e risorse sociali: fiducia e reputazione." Pp. 101-113 in *Fondamenti di sociologia economica*, edited by F. Barbera, and I. Pais. Milano: EGEA.
- 2017 Bianchi, Federico, Simone Gabbriellini, and Flaminio Squazzoni. "I modelli ad agenti." Online materials in *Fondamenti di sociologia economica*, edited by F. Barbera, and I. Pais. Milano: EGEA.

Book reviews

- 2015 Federico Bianchi. “[Review of *Simulating Knowledge Dynamics in Innovation Networks*](#)”, by N. Gilbert, P. Ahrweiler, and A. Pyka (Eds.). *Journal of Artificial Societies and Social Simulation* 18(4).

Other publications

- 2013 VV.AA. [Intangibles di impresa e valore: competenze per l'innovazione](#). Adriano Olivetti Foundation, Working Paper on Knowledge Society Series, 6/2013.

Research projects

- 2018 — ‘[SOCIALE – The Brescia nexus: SOCIAL infrastructure and cognitive ABiLiTiEs in an ageing population](#)’, Partners: Casa di Industria Foundation, IRCCS Centro San Giovanni di Dio Fatebenefratelli, Socialis Research Centre.
- 2017 - 2018 ‘Verso un’economia circolare’, Partners: Fondazione Cogeme Onlus, Kyoto Club, Fondazione Nympe.
- 2015 — ‘[PEERE - New Frontiers of Peer Review](#)’, EU-COST Action TD1306.

Conferences and seminars

Peer-reviewed contributions

- 2018 Bianchi, Federico, Andreas Flache, and Flaminio Squazzoni “Solidarity and Competition: Simulating Social Support Between Competing Collaboration Partners” (ISA XIX World Congress of Sociology, Toronto, Canada, 15 July - 21 July).
- 2018 Bianchi, Federico, Andreas Flache and Flaminio Squazzoni, “Solidarity and Competition: Simulating Social Support Between Competing Business Partners” (XXXVIII Sunbelt Conference of the International Network for Social Network Analysis, Utrecht, The Netherlands, 27 June - 1 July).
- 2018 Bianchi, Federico, Francisco Grimaldo and Flaminio Squazzoni, “The F³-Index. A Rating and Ranking Algorithm for Reviewers of Journal Articles” (PEERE International Conference on Peer Review, Rome, Italy, 7-9 March).

- 2018 Bianchi, Federico, Niccolò Casnici and Flaminio Squazzoni, “Solidarietà fragile. Una simulazione di reti di collaborazione e supporto reciproco tra professionisti concorrenti” (Secondo Convegno SISEC - Società Italiana di Sociologia Economica, Milan, Italy, 25-27 January).
- 2017 Bianchi, Federico, Andreas Flache and Flaminio Squazzoni, “Solidarity and Competition: Simulating Social Support Between Competing Business Partners” (Social Simulation Conference 2017, Dublin, Ireland, 25-29 September).
- 2017 Squazzoni, Flaminio, and Federico Bianchi, “Simulating Peer Review: Prospects and Challenges” (Social Simulation Conference 2017, Dublin, Ireland, 25-29 September).
- 2017 D’Ambrosio, Gabriella, Federico Bianchi and Flaminio Squazzoni, “Social Selection and Innovation Diffusion in Marital Instability: An Empirically Calibrated Agent-Based Model of Partnership Change in Italy 1991-2011” (Social Simulation Conference 2017, Dublin, Ireland, 25-29 September).
- 2017 Bianchi, Federico, Andreas Flache and Flaminio Squazzoni, “Solidarity and Competition: Simulating Social Support Between Competing Collaboration Partners” (INAS 2017 Conference of the International Network of Analytical Sociologists, Oslo, Norway, 8-9 June).
- 2017 Bianchi, Federico, Andreas Flache and Flaminio Squazzoni, “Solidarity and Competition Between Collaboration Partners: An Agent-Based Computer Simulation Study of Multiplex Networks Using SOAMs” (ARS ’17 - Sixth International Workshop on Social Network Analysis, Naples, Italy, 15-17 May).
- 2017 Bianchi, Federico, Niccolò Casnici and Flaminio Squazzoni, “Da collaborazione a solidarietà. Fiducia e supporto tra professionisti in uno spazio di *coworking*” (Primo Convegno SISEC - Società Italiana di Sociologia Economica, Rome, Italy, 26-28 January).
- 2016 Bianchi, Federico, Andreas Flache and Flaminio Squazzoni, “Does Competition Always Undermine Solidarity? Cohesion and Integration of Support Networks among Business Partners” (4th Doctoral Workshop in Economics of Innovation, Complexity and Knowledge, Turin, Italy, 15-16 December).
- 2016 Bianchi, Federico, Niccolò Casnici and Flaminio Squazzoni, “From Collaboration to Solidarity among Peers. A Multivariate ERGM of Support and Trust Between Collaborating Freelance Workers” (2nd European Conference on Social Networks, Paris, France, 14-17 June).

- 2016 Bianchi, Federico, Niccolò Casnici and Flaminio Squazzoni, “Coworking and Solidarity among Peers. A Full Network Study of the Emergence of Support Between Co-working Freelancers” (INAS 2016 Conference of the International Network of Analytical Sociologists, Utrecht, The Netherlands, 3-5 June).
- 2016 Bianchi, Federico and Flaminio Squazzoni, “[Transparency Comes at a Serious Cost. An Agent-Based Model of Open versus Confidential Peer Review in Science](#)” (INAS 2016 Conference of the International Network of Analytical Sociologists, Utrecht, The Netherlands, 3-5 June, 2016).
- 2016 Bianchi, Federico, Niccolò Casnici and Flaminio Squazzoni, “Coworking and Social Support among Peers. A Multivariate ERGM of Economic and Social Exchange Between ICT Freelancers” (XXXVI Sunbelt Conference of the International Network for Social Network Analysis, Newport Beach (CA), USA, 4-10 April).
- 2016 Bianchi, Federico, Niccolò Casnici and Flaminio Squazzoni, “Coworking and Social Support among Peers: A Multiplex Network Study of a Coworking Space” (3rd Doctoral Workshop in Economics of Innovation, Complexity and Knowledge, Turin, Italy, 21-22 January).
- 2015 Bianchi, Federico and Flaminio Squazzoni, “Is Three Better than One? Simulating the Effect of Reviewer Selection and Behavior on the Quality and Efficiency of Peer Review” (Winter Simulation Conference 2015, Huntington Beach (CA), USA, 6-9 December).
- 2015 Bianchi, Federico and Flaminio Squazzoni, “Is Three Better than One? Simulating the Effect of Reviewer Selection and Behavior on the Quality and Efficiency of Peer Review” (Social Simulation Conference 2015 - 11th Conference of the European Social Simulation Association, University of Groningen, Groningen, The Netherlands, 14-18 September).
- 2014 Bianchi, Federico and Gianluca Pozzoni, “[Methodological Individualism Between Explanation and Theory Building](#)” (ENPOSS - European Network for the Philosophy of the Social Sciences Third Conference, UNED - Universidad Nacional de Educación a Distancia, Madrid, Spain, 10-12 September).

Invited talks

- 2018 “Collaboration, trust and support within exchange networks: integrating network analysis and ABM simulation”, ResFron (Research Frontiers in Economic Sociology and Labour Studies) Seminar, 19 March, Department of Political and Social Sciences, University of Milan, Milan, Italy.

Conference organization

- 2018 *Social Simulation Conference 2018*, 20-24 August, Stockholm, Sweden — Member of Programme Committee.
- 2018 “Social Behavior, Network Dynamics and Collective Outcomes in Complex Societies”, session at the *XIX ISA World Congress of Sociology*, 15-21 July, Toronto, Canada — Co-organizer.
- 2018 *MABS 2018 - 19th International Workshop on Multi-Agent-Based Simulation*, 14-15 July, Stockholm, Sweden — Member of Programme Committee.
- 2018 “Agent-based models: Linking complex social phenomena to social network dynamics”, session at the *XXXVIII Sunbelt Conference of the International Network of Social Network Analysis*, 26 June - 1 July, Utrecht University, Utrecht, The Netherlands — Co-organizer.
- 2018 *PEERE International Conference on Peer Review*, 7-9 March, CNR - National Research Council, Rome, Italy — Member of Programme Committee.

Teaching

- 2018 [Introduction to Research](#), course for Ph.D. students, University of Brescia, Brescia (Italy), 14 September - 4 October (15 hours, English).
- 2018 “[Behave Summer School on Agent-Based Modelling for Social Scientists](#)”, University of Milan, Brescia (Italy), 3-7 September (35 hours, English, Teaching Assistant).
- 2017 “[GECS Summer School in Agent-Based Modelling for Social Scientists](#)”, University of Brescia, Italy, 4-8 September (20 hours, English, Teaching Assistant).
- 2016 “[GECS Summer School in Agent-Based Modelling for Social Scientists](#)”, University of Brescia, Italy, 20-24 June (20 hours, English, Teaching Assistant).
- 2015 “Agent-Based Modelling”, PhD Programme in Economic Sociology and Labour Studies, University of Brescia, Italy (20 hours, English, Teaching Assistant).

Advanced training

- June, 2018 “Simplifying egocentric network analysis using *egor*”, XXXVIII Sunbelt Conference Workshop, Utrecht, The Netherlands.
- May, 2017 “Multilevel longitudinal network analysis”, ARS ‘17 - Sixth International Workshop on Social Network Analysis, Naples, Italy.
- Jun, 2016 “Temporal Exponential Random Graph Models (tERGM)”, 2nd European Social Network Conference Workshop, Paris, France.
- Jun, 2016 “The analysis of longitudinal social network data using *RSiena*”, 2nd European Social Network Conference Workshop, Paris, France.
- Apr, 2016 “Exponential family Random Graph Modeling (ERGMs) using *statnet*”, XXXVI Sunbelt Conference Workshop, Newport Beach (CA), USA.
- Apr, 2016 “From words to networks: Text-based/semantic network analysis”, XXXVI Sunbelt Conference Workshop, Newport Beach (CA), USA.
- Aug, 2015 “Advanced social network analysis: Selection mechanisms and social structure”, Essex Summer School in Social Science Data Analysis, University of Essex, UK.
- Aug, 2015 “Mathematics for social scientists II”, Essex Summer School in Social Science Data Analysis, University of Essex, UK.
- Sep, 2014 “ESSA Summer School in Social Simulation”, ESSA - European Social Simulation Association, Autonomous University of Barcelona, Spain.
- Jun, 2014 “PhD Course in Microsociology and Social Psychology”, Department of Sociology, Linnæus University, Växjö, Sweden.
- Oct, 2012 “NetLogo EduLABSS School”, LABSS - Laboratory for Social Simulation, ISTC/CNR, Rome, Italy.

Reviewing activity

Frontiers in Sociology, Journal of Artificial Societies and Social Simulation, Learned Publishing, Research Evaluation, RT - A Journal on Research Policy and Evaluation, Scientometrics, Social Networks.

Public reviews on [Publons](#).

Grants and scholarships

- 2017 EU-COST Action TD1306 Short-Term Scientific Mission,
“Rating and ranking in peer-reviewed journals”.
- 2014 - 2017 3-year PhD scholarship in Economic Sociology and Labour Studies, Cariplo Foundation and University of Brescia (Italy).
- 2012 “*Mario Borello*” Grant for outstanding students, Faculty of Economics, University of Turin (Italy).
- 2008 - 2009 12-month EU-LLP Erasmus Scholarship, University of Milan (Italy) - University of Tübingen (Germany).

Memberships

SISEC - Società Italiana di Sociologia Economica

Other working experience

- 2015 *Business consultant*, Goetz Partners (Milan, Italy).
- 2012 - 2014 *Business consultant*, L.E.K. Consulting (Milan, Italy).
- Jun, 2012 - *Junior Researcher*, Adriano Olivetti Foundation - Economy & Society Division
Jan, 2013 (Ivrea, Italy).

Languages

Italian	native
English	C2 (IELTS 8.5)
German	C1 (TestDaf)
French	A2
Spanish	A2

Computer skills

OS	Linux, Mac OS, Windows
ABM Simulation	NetLogo
Data Analysis	R, Stata, SPSS
Data Visualization	ggplot2
Programming	Python (<i>basic</i>), Pascal (<i>basic</i>)
Social Network Analysis	Gephi, igraph, PNet, RSiena, sna, statnet, UCINET
Productivity	MS Office, Libre Office, Open Office, L ^A T _E X, Prezi
Version control	git (<i>basic</i>)
Web	WordPress, HTML (<i>basic</i>)