Federico Bianchi

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

Appointments

2022 —	Assistant Professor of Sociology Department of Social and Political Sciences, University of Milan, Italy Member of BehaveLab
2020 - 2022	Adjunct Professor of Network Analysis Graduate School in Social and Political Sciences, University of Milan, Italy
2020 - 2022	Post-Doctoral Researcher in Sociology Department of Social and Political Sciences, University of Milan, Italy Member of BehaveLab
2017 - 2020	Post-Doctoral Researcher in Economic Sociology Department of Economics and Management, University of Brescia, Italy Member of GECS – Research Group on Experimental and Computational Sociology

Research visits

2019	Institute for Analytical Sociology, Linköping University, Sweden Host: Károly Takács
2017	Department of Computer Science, Universitat de València, Spain Host: Francisco Grimaldo Moreno

2016   Department of Sociology / ICS, University of Groningen, The Netherlands
            Host: Andreas Flache

Education

2017   PhD, Economic Sociology and Labour Studies, *with distinction*
        University of Milan, University of Brescia, University of Eastern Piedmont (Italy)
            Dissertation: [The Social from the Economic. The Emergence of Solidarity within Networks of Economic Exchange](#)
            Supervisor: Flaminio Squazzoni (University of Brescia)
            Committee: Filippo Barbera (University of Turin, Italy), Gianluca Manzo (Centre National de la Recherche Scientifique and Sorbonne University, France), Stefani Scherer (University of Trento, Italy)

2013   MA, Sociology, *cum laude*, University of Turin (Italy)
            Dissertation: *Interests and Identity in Collective Action: A Social Simulation Approach* (recommended for publication)
            Advisors: Filippo Barbera and Pietro Terna

2010   BA, Philosophy, *cum laude*, University of Milan (Italy)

2008 - Erasmus Student, University of Tübingen (Germany)
2009

Publications

Monographs

2023   **Bianchi, Federico**. *Reti sociali. Meccanismi e modelli*. Bologna: Il Mulino.

Peer-reviewed articles

2024   Vit, Eszter, **Federico Bianchi**, Marco Castellani, and Károly Takács. "Friends Can Help to Aim High: Peer Influence and Selection Effects on Academic Ambitions and Achievement". *The Journal of Early Adolescence*. doi: [10.1177/02724316241273427](#).

        Vacca, Raffaele, and **Federico Bianchi**. "Diversity, Integration, and Variability of Intergenerational Relationships in Old Age: New Insights from Personal Network Research". *Social Science Research* 119: 102991. doi: [10.1016/j.ssresearch.2024.102991](#).

        Renzini, Francesco, **Federico Bianchi**, and Flaminio Squazzoni. "Status, Cognitive Overload, and Incomplete Information in Advice-Seeking Networks: An Agent-Based Model". *Social Networks* 76: 150–9. doi: [10.1016/j.socnet.2023.09.001](#).

2023   **Bianchi, Federico**, Matteo Piolatto, Alessandra Marengoni, and Flaminio Squazzoni. "Structure of Personal Networks and Cognitive Abilities: A Study on a Sample of Italian Older Adults". *Social Networks* 74: 71–7. doi: 10.1016/j.socnet.2023.02.005.

De Gioannis, Elena, **Federico Bianchi**, and Flaminio Squazzoni. "Gender Bias in the Classroom: A Network Study on Self and Peer Ability Attribution". *Social Networks* 72: 44–51. doi: 10.1016/j.socnet.2022.09.001. (Awarded "Premio SISEC Giovani per il miglior articolo 2023" – 2023 Best young scholar's article award of the Italian Society of Economic Sociology)

2022   **Bianchi, Federico**. "I modelli statistici delle reti sociali: un'analisi critica". *Sociologia e ricerca sociale* 128: 35–58. doi: 10.3280/SR2022-128003.

Bianchi, Federico, Daniel García-Costa, Francisco Grimaldo, and Flaminio Squazzoni. "Measuring the Effect of Reviewers on Manuscript Change: A Study on a Sample of Submissions to Royal Society Journals (2006–2017)". *Journal of Informetrics* 16(3): 101316. doi: 10.1016/j.joi.2022.101316.

Bianchi, Federico, and Flaminio Squazzoni. "Can Transparency Undermine Peer Review? A Simulation Model of Scientist Behavior under Open Peer Review". *Science and Public Policy* 49(5): 791–800. doi: 10.1093/scipol/scac027.

Piolatto, Matteo, **Federico Bianchi**, Matteo Rota, Alessandra Marengoni, Aliakbar Akbaritabar, and Flaminio Squazzoni. "The Effect of Social Relationships on Cognitive Decline among Older Adults: An Updated Systematic Review and Meta-Analysis of Longitudinal Prospective Cohort Studies". *BMC Public Health* 22: 278. doi: 10.1186/s12889-022-12567-5.

2021   Cousin, Grégoire, **Federico Bianchi**, and Tommaso Vitale. "From Roma Autochthonous Homophily to Socialization and Community Building in the Parisian Metropolitan Region Shantytowns". *Journal of Ethnic and Migration Studies* 47(13): 2938–60. doi: 10.1080/1369183X.2020.1736993.

Farjam, Mike, **Federico Bianchi**, Flaminio Squazzoni, and Giangiacomo Bravo. "Dangerous Liaisons: An Online Experiment on the Role of Scientific Experts and Politicians in Ensuring Public Support for Anti-COVID Measures". *Royal Society Open Science* 8(3): 201310. 10.1098/rsos.201310.

2020   **Bianchi, Federico**, Andreas Flache, and Flaminio Squazzoni. "Solidarity in Collaboration Networks When Everyone Competes for the Strongest Partner. A Stochastic Actor-Based Simulation Model". *The Journal of Mathematical Sociology* 44(4): 249–66. 10.1080/0022250X.2019.1704284

Bianchi, Federico. "Making Bonds of Solidarity from Economic Exchange. A Review Essay". *Sociologica* 14(1): 207–25. 10.6092/issn.1971-8853/9727.

Squazzoni, Flaminio, Petra Ahrweiler, Tiago Barros, **Federico Bianchi**, Aliaksandar Birukou, Harry J.J. Blom, Giangiacomo Bravo, Stephen Cowley, Virginia Dignum, Pierpaolo Dondio, Francisco Grimaldo, Lynsey Haire, Jason Hoyt, Phil Hurst, Rachael Lammey, Catriona MacCallum, Ana Marušić, Bahar Mehmani, Hollydawn Murray, Duncan Nicholas, Giorgio Pedrazzi, Iratxe Puebla, Peter Rodgers, Tony Ross-Hellauer, Marco Seeber, Kalpana Shankar, Joris Van Rossum, and Michael Willis. "Unlock Ways to Share Data on Peer Review". *Nature* 578(7796): 512–14. 10.1038/d41586-020-00500-y.

2019   **Bianchi, Federico**, Francisco Grimaldo, and Flaminio Squazzoni. "The F^3-Index. Valuing Reviewers for Scholarly Journals". *Journal of Informetrics* 13(1):78–86. 10.1016/j.joi.2018.11.007.

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):1401–20. 10.1007/s11192-018-2825-4.

       Bianchi, Federico, Niccolò Casnici, and Flaminio Squazzoni. "Solidarity as a By-product of Professional Collaboration: Social Support and Trust in a Coworking Space. *Social Networks* 54:61–72. 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. 4081–89 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: IEEE Press. 10.1109/WSC.2015.7408561.

2015   **Bianchi, Federico**, and Flaminio Squazzoni. "Agent-Based Models in Sociology". *Wiley Interdisciplinary Research: Computational Statistics* 7: 284–306. 10.1002/wics.1356.

Invited articles and book chapters

2023   Renzini, Francesco, Carlo Debernardi, **Federico Bianchi**, Marco Cremonini, and Flaminio Squazzoni. "The New Frontiers of Social Simulation in the Data Science Era: An Introduction to the Proceedings". Pp. 1–10 in *Advances in Social Simulation. Proceedings of the 17th Social Simulation Conference, European Social Simulation Association*, edited by F. Squazzoni. Cham: Springer. 10.1007/978-3-031-34920-11_1.

       Squazzoni, Flaminio, and **Federico Bianchi**. "Exploring Interventions on Social Outcomes with in Silico, Agent-Based Experiments". Pp. 217–34 in *Causality in Policy Studies: A Pluralist Toolbox*, edited by A. Damonte and F. Negri. Cham:

Springer. 10.1007/978-3-031-12982-7_9.

2022   **Bianchi, Federico**, Niccolò Casnici, and Antonello Podda. "Social Network Analysis within Current Italian Economic Sociology". *Journal of Entrepreneurial and Organizationl Diversity* 10(2):71–6. 10.5947/jeod.2021.010.

2020   **Bianchi, Federico**, and Flaminio Squazzoni. "Modelling and Social Science. Problems and Promises". Pp. 60–73 in *Modelling Transitions. Virtues, Vices, and Visions of the Future*, edited by E.A. Moallemi and F.J. de Haan. London: Routledge.

2017   **Bianchi, Federico**, and Flaminio Squazzoni. "J. S. Coleman. Scambio economico e risorse sociali: fiducia e reputazione". Pp. 101–13 in *Fondamenti di sociologia economica*, edited by F. Barbera and I. Pais. Milano: EGEA.

        Bianchi, Federico, Simone Gabbriellini, and Flaminio Squazzoni. "I modelli ad agenti". In *Fondamenti di sociologia economica*, edited by F. Barbera and I. Pais. Milano: EGEA.

Preprints

2024   Klebel, Thomas, **Federico Bianchi**, Tony Ross-Hellauer, and Flaminio Squazzoni. The Paradox of Competition: How Funding Models Could Undermine the Uptake of Data Sharing Practices. 10.31222/osf.io/gb4v2.

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

2021   Bianchi, Federico. Responsabilità limitata. Ripensare i concetti di responsabilità, solidarietà e comunità oltre il moralismo. *Il Tascabile*, 12/05/2021.

2018   Bianchi, Federico, and Gianluca Pozzoni. Una teoria della classe rassegnata. *Il lavoro culturale*, 21/06/2018.

2013   VV.AA. *Intangibles di impresa e valore: competenze per l'innovazione*. Adriano Olivetti Foundation, Working Paper on Knowledge Society Series, 6/2013.

Conferences and seminars

Papers at peer-reviewed conferences

2024   Bellotti, Elisa, Federico Bianchi, and Francesco Renzini. "Complex contagion and negative influence in the adoption of malaria preventive measures: an empirically-calibrated agent-based model" (XLIV Sunbelt Conference of the International Network for Social Network Analysis, Heriot Watt University, Edinburgh, United Kingdom, 24-30 June).

Bellotti, Elisa, Federico Bianchi, and Francesco Renzini. "Complex contagion and negative influence in the adoption of malaria preventive measures: an empirically-calibrated agent-based model" (16th Annual Conference of the International Network of Analytical Sociology, University of Leipzig, Leipzig, Germany, 30-31 May). (Speaker)

Bellotti, Elisa, and Federico Bianchi. "Social influence in the adoption of mosquito bites preventive measures in Meghalaya, India: Exploring policy interventions through an empirical agent-based model" (VIII Convegno SISEC - Società Italiana di Sociologia Economica, University of Cagliari, Cagliari, Italy, 31 January - 3 February). (Speaker)

Castellani, Marco, and Federico Bianchi. "Using the scenario evolution of fuzzy maps to compare small groups' strategies" (VIII Convegno SISEC - Società Italiana di Sociologia Economica, University of Cagliari, Cagliari, Italy, 31 January - 3 February).

Muñoz, Esteban, and Federico Bianchi. "Neutral gossip and positive emotional ties in the workplace" (VIII Convegno SISEC - Società Italiana di Sociologia Economica, University of Cagliari, Cagliari, Italy, 31 January - 3 February).

Criveller, Margherita, Federico Bianchi, Raffaele Vacca, and Flaminio Squazzoni. Forgiven cheaters. "A network study of contracts and betrayal between states and mercenaries in the Renaissance Italy's warfare market". (VIII Convegno SISEC - Società Italiana di Sociologia Economica, University of Cagliari, Cagliari, Italy, 31 January - 3 February).

2023   Bellotti, Elisa, and Federico Bianchi. "Social influence in the adoption of mosquito bites preventive measures in Meghalaya, India: Exploring policy interventions through an empirical agent-based model" (7th European Conference on Social Networks – EUSN 2023, Centre for Methodology and Statistics, University of Ljubljana, Slovenia, 4-8 September).

Criveller, Margherita, Federico Bianchi, and Raffaele Vacca. "Kinship and conflicts between mercenary families and regional states from the 15th to the 16th century in Italy: A multiplex network study" (7th European Conference on Social Networks – EUSN 2023, Centre for Methodology and Statistics, University of Ljubljana, Slove-

nia, 4-8 September).

Bianchi, Federico, and Elisa Bellotti. "Social influence in the adoption of mosquito bites preventive measures in Meghalaya, India: Exploring policy interventions with an empirical agent-based model" (ARS '23 - Ninth International Workshop on Social Network Analysis, Ischia, Italy, 2-3 May). (Speaker)

Criveller, Margherita, and Federico Bianchi. "Kinship and conflicts among Italian mercenary families and regional states between 15th and 16th century: A multiplex network study" (ARS '23 - Ninth International Workshop on Social Network Analysis, Ischia, Italy, 2-3 May).

Renzini, Francesco, Federico Bianchi, and Flaminio Squazzoni. "Status, cognitive overload, and incomplete information in advice-seeking networks: An agent-based model" (ARS '23 - Ninth International Workshop on Social Network Analysis, Ischia, Italy, 2-3 May).

Bianchi, Federico, Eva Vriens, Giulia Andrighetto, and Flaminio Squazzoni. "Group-level reputation for aggressiveness. Simulating long-term dynamic through an experimentally calibrated ABM" (VII Convegno SISEC - Società Italiana di Sociologia Economica, University of Brescia, Brescia, Italy, 8-11 February). (Speaker)

2022   Bianchi, Federico, Matteo Piolatto, Alessandra Marengoni, and Flaminio Squazzoni. "A complex network keeps you smart. An ego-network study on the moderating effect of social relationships on older adults' cognitive decline" (Sunbelt 2022: XLII Social Networks Conference of the International Network for Social Network Analysis, Cairns, Australia, 12-16 July). (Speaker)

Renzini, Francesco, Federico Bianchi, and Flaminio Squazzoni. "Explaining advice exchange networks by status-driven preferences and cognitive overload: an agent-based model" (Sunbelt 2022: XLII Social Networks Conference of the International Network for Social Network Analysis, Cairns, Australia, 12-16 July).

Renzini, Francesco, Federico Bianchi, and Flaminio Squazzoni. "Explaining advice exchange networks by status-driven preferences and cognitive overload: an agent-based model" (VI Convegno SISEC - Società Italiana di Sociologia Economica, University of Bologna, Bologna, Italy, 8-11 June).

Vacca, Raffaele, Federico Bianchi, Matteo Piolatto. "Unpacking the intergenerational contact hypothesis: prevalence and inequalities in intergenerational interactions in a Covid-19 epicenter" (VI Convegno SISEC - Società Italiana di Sociologia Economica, University of Bologna, Bologna, Italy, 8-11 June).

Bianchi, Federico, Matteo Piolatto, Alessandra Marengoni, and Flaminio Squazzoni. "A complex network keeps you smart. An ego-network study on the moderating

effect of social relationships on older adults' cognitive decline" (14th Annual INAS Conference, European University Institute, Florence, Italy, 26-27 May). (Speaker)

Renzini, Francesco, Federico Bianchi, and Flaminio Squazzoni. "Explaining advice exchange networks by status-driven preferences and cognitive overload: an agent-based model" (14th Annual INAS Conference, European University Institute, Florence, Italy, 26-27 May).

Vacca, Raffaele, Federico Bianchi, Matteo Piolatto. "Unpacking the intergenerational contact hypothesis: prevalence and inequalities in intergenerational interactions in a Covid-19 epicenter" (14th Annual INAS Conference, European University Institute, Florence, Italy, 26-27 May).

2021   Vacca, Raffaele, Federico Bianchi, Matteo Piolatto, and Flaminio Squazzoni. "Toward testing the intergenerational contact hypothesis: prevalence and inequalities in intergenerational interactions in a Covid-19 epicenter" (15th ESA Conference 2021, virtual event, 31 August - 3 September).

Vacca, Raffaele, Federico Bianchi, Matteo Piolatto, and Flaminio Squazzoni. "Toward testing the intergenerational contact hypothesis: the prevalence and variation of intergenerational ties among older adults in a Covid-19 epicenter" (V Convegno SISEC - Società Italiana di Sociologia Economica, University of Catania, virtual event, 9-12 June).

De Gioannis, Elena, Federico Bianchi, and Flaminio Squazzoni. "Gender stereotypes in the classroom: self and peers' ability attribution among high-school students in Italy" (V Convegno SISEC - Società Italiana di Sociologia Economica, University of Catania, virtual event, 9-12 June).

Bianchi, Federico, Matteo Piolatto, Aliakbar Akbaritabar, Matteo Rota, Alessandra Marengoni, and Flaminio Squazzoni. "The effect of social relationships on cognitive decline among older adults: a systematic review and meta-analysis of longitudinal prospective cohort studies" (V Convegno SISEC - Società Italiana di Sociologia Economica, University of Catania, virtual event, 9-12 June).

De Gioannis, Elena, Federico Bianchi, and Flaminio Squazzoni. "Gender stereotypes in the classroom: self and peers' ability attribution among high-school students in Italy" (13th Annual INAS - International Network of Analytical Sociology Conference 2021, virtual event, 29-30 May).

Vit, Eszter, Federico Bianchi, Marco Castellani, and Károly Takács. "Do friends aspire? Peer influence and selection effects for academic achievement and aspirations" (13th Annual INAS - International Network of Analytical Sociology Conference 2021, virtual event, 29-30 May).

2020 Bianchi, Federico, Daniel Garcìa-Costa, Federico Bianchi, Francisco Grimaldo, Phil Hurst, and Flaminio Squazzoni, "Tracking the developmental value of peer review in a sample of scholarly journals from the Royal Society, 2006-2016" (2nd PEERE International Conference on Peer Review 2020, virtual event, 30 September - 1 October). (Speaker)

Bianchi, Federico, Niccolò Casnici, and Marco Castellani, "Differences in ability attribution between native and migrant students. Preliminary results from a network study of an Italian secondary school" (IV Convegno SISEC - Società Italiana di Sociologia Economica, University of Turin, Turin, Italy, 30 January - 1 February).

2019 Bianchi, Federico, Niccolò Casnici, and Marco Castellani, "Status and segregation of adolescents with migratory background in friendship networks. Evidence from an Italian secondary school" (ARS '19 - Seventh International Workshop on Social Network Analysis, Vietri sul Mare, Italy, 28-31 October). (Speaker)

Bianchi, Federico, Aliakbar Akbaritabar, Niccolò Casnici, Alessandra Marengoni, and Flaminio Squazzoni, "Capitale sociale e reti personali nella prevenzione del decadimento cognitivo delle persone anziane" (III Convegno SISEC - Società Italiana di Sociologia Economica, University of Naples Federico II, Naples, Italy, 31 January - 2 February). (Speaker)

Casnici, Niccolò, Federico Bianchi, and Marco Castellani, "Integrazione e rendimento scolastico nell'istruzione secondaria: uno studio longitudinale nella provincia di Brescia" (III Convegno SISEC - Società Italiana di Sociologia Economica, University of Naples Federico II, Naples, Italy, 31 January - 2 February). (Speaker)

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, 15-21 July). (Speaker)

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 University, Utrecht, The Netherlands, 27 June - 1 July). (Speaker)

Bianchi, Federico, Francisco Grimaldo, and Flaminio Squazzoni, "The F^3-Index. A rating and ranking algorithm for reviewers of journal articles" (PEERE International Conference on Peer Review, National Research Council, Rome, Italy, 7-9 March). (Speaker)

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 Economi-

ca, Catholic University of the Sacred Heart, Milano, Italy, 25-27 January). (Speaker)

2017 Bianchi, Federico, Andreas Flache, and Flaminio Squazzoni, "Solidarity and competition: simulating social support between competing business partners" (Social Simulation Conference 2017, University College Dublin, Dublin, Ireland, 25-29 September). (Speaker)

Squazzoni, Flaminio, and Federico Bianchi, "Simulating peer review: prospects and challenges" (Social Simulation Conference 2017, University College Dublin, Dublin, Ireland, 25-29 September).

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, University College Dublin, Dublin, Ireland, 25-29 September).

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, University of Oslo, Oslo, Norway, 8-9 June). (Speaker)

Bianchi, Federico, Andreas Flache, and Flaminio Squazzoni, "Solidarity and competition between collaboration partners: an agent-based computer simulation study of multiplex networks using SAOMs" (ARS '17 - Sixth International Workshop on Social Network Analysis, Naples, Italy, 15-17 May). (Speaker)

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, Sapienza University of Rome, Rome, Italy, 26-28 January). (Speaker)

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, Collegio Carlo Alberto, Turin, Italy, 15-16 December). (Speaker)

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 Institute of Political Studies, Paris, France, 14-17 June). (Speaker)

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 University, Utrecht, The Netherlands, 3-5 June).

(Speaker)

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 University, Utrecht, The Netherlands, 3-5 June, 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), United States, 4-10 April). (Speaker)

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, Collegio Carlo Alberto, Turin, Italy, 21-22 January). (Speaker)

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, United States, 6-9 December).

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 seminars and lectures

2024   "Agent-based modelling", 10 April, guest lecture within the course "Research design" (Filip Agneessens), Department of Sociology and Social Research, University of Trento, Trento (Italy).

"Reti sociali. Meccanismi e modelli" (speaker; chair: Flaminio Squazzoni; discussants: Antonio M. Chiesi and Gianluca Manzo), 20 March, SPS Seminars / Fresco di stampa, Department of Social and Political Sciences, University of Milan, Milano (Italy).

2023   "Empirical models of networks (and behaviour)", workshop on "Explaining macro dynamics: on the use of empirical simulation models in the social sciences", Institute for Analytical Sociology, Linköping University (Sweden), 3-5 December, Swedish Institute at Athens, Athens (Greece).

"Agent-based modelling", 19 April, guest lecture within the course "Research design" (Filip Agneessens), Department of Sociology and Social Research, University of Trento, Trento (Italy).

"An introduction to ERGM with an application to the study of gender bias in high school" (with Elena De Gioannis), 20 February, Cyber Mondays, Behave Lab (University of Milan, Italy), Computational Social Science Center (University of Bologna, Italy), Center for Computational Social Science and Human Dynamics (University of Trento, Italy), Universidad Carlos III de Madrid (Spain).

2022   "Agent-based models of social networks", 16 November, Mitchell Centre for Social Network Analysis, The University of Manchester, Manchester (United Kingdom).

"La *peer review* di sviluppo: prime evidenze empiriche", 11 November, Coordinamento delle Riviste Italiane di Sociologia - V incontro seminariale: "La peer review: tra tecnicalità e politica editoriale", University of Florence, Florence (Italy).

"Explaining social networks: basic concepts and models", 8 February, Cyber Mondays, Behave Lab (University of Milan, Italy), Computational Social Science Center (University of Bologna, Italy), and Center for Computational Social Science and Human Dynamics (University of Trento, Italy).

2021   "Ambivalent and consistent relationships: The role of personal networks in cases of domestic violence" (discussant; speaker: Elisa Bellotti), 21 November, SPS Seminars / Dialogues, Department of Social and Political Sciences, University of Milan, Milano (Italy).

2020   "Social relationships and social networks", 2 December, invited lecture within the course "Foundations of Economic Sociology" (Roberto Pedersini), Graduate School in Social and Political Sciences, University of Milan, Milano, Italy.

"Scambio economico e solidarietà", 19 November, invited lecture within the course "Economia della cooperazione e del terzo settore" (Raffaele Miniaci), Department of Economics and Management, University of Brescia, Brescia, Italy.

2019   "Solidarity from economic exchange. Studying collaboration, support, and segregation through network analysis and agent-based modelling", 5 December, Institute for Analytical Sociology, Department of Management and Engineering, Linköping University, Norrköping, Sweden.

"Building solidarity from economic exchange: trust and support between collaboration and competition", 26 February, Computational Social Science – Research Center for Educational and Network Studies (CSS-RECENS), HAS Centre for Social Sciences, Hungarian Academy of Sciences, Budapest, Hungary.

2018   "L'economia circolare", Gruppo di Iniziativa Territoriale Banca Etica - Brescia, Brescia, Italy.

"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 Social and Political Sciences, University of Milan, Milano, Italy.

2016   "Fragile solidarity: collaboration and support under competition", meetings of the Norms and Networks Cluster, Department of Sociology, University of Groningen, Groningen, The Netherlands.

Conference and workshop organization

2025   CS2Italy - 1$^{\text{st}}$ Conference on Computational Social Science, 15-18 January, University of Trento, Trento, Italy — Member of Scientific Committee.

2024   *19th Social Simulation Conference*, 16-20 September, Cracow University of Economics, Cracow, Poland — Member of Programme Committee.

"Agent-based models of social networks", session at the *Sunbelt 2024: XLIV International Social Networks Conference of the International Network for Social Network Analysis*, 24-30 June, Heriot-Watt University, Edinburgh, United Kingdom — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

"Agent-based models of social networks", workshop hosted by BehaveLab and Computational Models and Design Hub, Department of Social and Political Sciences, University of Milan, Milano, Italy — Co-organizer with Flaminio Squazzoni and Raffaele Vacca.

"Experiments, computational models, and network analysis for the study of socio-economic phenomena", session at the *VIII Convegno SISEC*, 31 January - 3 February, University of Cagliari, Cagliari, Italy — Co-organizer with Elena De Gioannis and Raffaele Vacca.

2023   "Agent-based models of social networks", session at the *7th European Conference on Social Networks*, 4-8 September, University of Ljubljana, Ljubljana, Slovenia — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

18th Social Simulation Conference, 4-8 September, University of Glasgow, Glasgow, United Kingdom — Member of Programme Committee.

19th International Conference on Scientometrics and Informetrics, 2-5 July, Indiana University, Bloomington (IN), United States — Member of Program Committee.

"Esperimenti, modelli computazionali e *network analysis* nell'analisi dei fenomeni socio-economici ", session at the *VII Convegno SISEC*, 8-11 February, University of Brescia, Brescia, Italy — Co-organizer with Marco Castellani and Flaminio Squazzoni.

2022   *Social Simulation Conference 2022*, 12-16 September, University of Milan, Milano, Italy — Member of Local Organizing Committee.

Social Simulation Conference 2022, 12-16 September, University of Milan, Milano, Italy — Member of Programme Committee.

"Agent-based models of social networks", session at the *Social Simulation Conference 2022*, 12-16 September, University of Milan, Milano, Italy — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

"Agent-based models of social networks", session at the *Sunbelt 2022: XLII International Social Networks Conference of the International Network for Social Network Analysis*, 12-16 July, Cairns, Australia — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

"La Social Network Analysis come strumento per la comprensione delle attuali trasformazioni socio-economiche", session at the *VI Convegno SISEC*, 8-11 June, University of Bologna, Bologna, Italy — Co-organizer with Niccolò Casnici and Antonello Podda.

2021   *Social Simulation Conference 2021*, 20-24 September, Cracow University of Economics, Cracow, Poland — Member of Programme Committee.

"Agent-based models of social networks", session at the *5th European Conference on Social Networks*, 7-10 September, University of Naples Federico II (virtual event) — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

IC2S2 2021 - 7th International Conference on Computational Social Science, 27-31 July, ETH Zurich, Zurich, Switzerland — Member of Programme Committee.

18th International Conference on Scientometrics and Informetrics, 12-15 July, KU Leuven (virtual event) — Member of Scientific Committee.

Network 2021: A Joint Sunbelt and NetSci Conference, 21 June - 10 July, Indiana University Network Science Institute (virtual event) — Member of Review Committee.

"Agent-based models of social networks", session at *Network 2021: A Joint Sunbelt and NetSci Conference*, 21 June - 10 July, Indiana University Network Science Institute (virtual event) — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

"La Social Network Analysis come strumento per la comprensione delle attuali trasformazioni socio-economiche", session at the *V Convegno SISEC*, 9-12 June, University of Catania, Catania, Italy — Co-organizer with Niccolò Casnici and Antonello Podda.

2020   "Agent-based models of social networks. Integrating agent decision-making with network dynamics", workshop at the *Social Simulation Week 2020*, 15-17 September — Co-organizer with Filip Agneessens, Andreas Flache, and Károly Takács.

Social Simulation Week 2020, 14-18 September, University of Milan, online event — Member of Local Committee.

Social Simulation Conference 2020, 14-18 September, University of Milan, Milano, Italy — Member of Programme Committee. [Cancelled]

STI 2020 – 25th International Conference on Science, Technology and Innovation Indicators, 2-4 September, Aarhus, Denmark — Member of Scientific Committee. [Cancelled]

6th International Conference on Computational Social Science, 17-20 July, virtual conference — Member of the Programme Committee.

"Bridging micro and macro through social network analysis and agent-based computational simulations", session at the *2020 Sunbelt Virtual Conference*, 13-17 July — Co-organizer with Andreas Flache, Gianluca Manzo, and Károly Takács.

MABS 2020 – The 21st International Workshop on Multi-Agent-Based Simulation, 9-13 May, Auckland, New Zealand — Member of Programme Committee.

2nd PEERE International Conference on Peer Review 2020, 11-13 March, Universitat de València, Valencia, Spain — Member of Programme Committee. [Cancelled]

"Social Network Analysis for the study of socio-economic phenomena", session at the *IV Convegno SISEC*, 30 January - 1 February, University of Turin, Turin, Italy — Co-organizer with Alberta Andreotti, Niccolò Casnici, and Antonello Podda.

2019   *Social Simulation Conference 2019*, 23-27 September, Johannes Gutenberg University Mainz, Mainz, Germany— Member of Programme Committee.

"Agent-based models: Linking complex social phenomena to social network dynamics", session at the *4th European Conference on Social Networks*, 9-12 September, ETH Zurich / University of Zurich, Zurich, Switzerland — Co-organizer with Andreas Flache and Károly Takács.

17th International Conference on Scientometrics & Informetrics, 2-5 September, Sapienza University of Rome, Rome, Italy — Member of Scientific Committee.

5th International Conference on Computational Social Science, 17-20 July, University of Amsterdam, Amsterdam, The Netherlands — Member of Programme Committee.

MABS 2019 - 20th International Workshop on Multi-Agent-Based Simulation, 13-17 May, Montreal, Canada — Member of Programme Committee.

2018   *Social Simulation Conference 2018*, 20-24 August, Stockholm University, Stockholm, Sweden — Member of Programme Committee.

"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 with Flaminio Squazzoni.

MABS 2018 - 19th International Workshop on Multi-Agent-Based Simulation, 14-15 July, Stockholm, Sweden — Member of Programme Committee.

"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 with Filip Agneessens, Jennifer Badham, and Andreas Flache.

PEERE International Conference on Peer Review, 7-9 March, Italian National Research Council, Rome, Italy — Member of Programme Committee.

Research projects

2024   NetHealth: Social network inequalities and health impacts – Socioeconomic, geographic and migration-related dimensions. Grant from Fondazione Cariplo. Partners: University of Milan, University of Milano-Bicocca, Johns Hopkins University. (PI: Raffaele Vacca, University of Milan). Member of a research unit.

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2023
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ConsNet: Conspiracy beliefs, personal networks, and health in the post-pandemic era. PRIN (Research Project of National Interest) grant from Italian Ministry of University and Research. Partners: University of Milan, University of Milano-Bicocca. (PI: Raffaele Vacca, University of Milan). Member of a research unit.

2020 - 2023
14ALL: One for all, all for one. Reputational mechanisms for aggression, revenge, and forgiveness in intergroup relationships. PRIN (Research Project of National Interest) grant from Italian Ministry of University and Research. Partners: University of Turin, Institute of Cognitive Science and Technology - National Research Council (Italy), University of Milan (PI: Davide Barrera, University of Turin). Member of a research unit.

2018 - 2020
'SOCIABLE – The Brescia nexus: SOCIal infrastructure and cognitive ABiLitiEs in an ageing population'. Grant from Fondazione Cariplo. Partners: Casa di Industria Foundation, IRCCS Centro San Giovanni di Dio Fatebenefratelli, Socialis Research Centre, University of Brescia (PI: Flaminio Squazzoni and Marco Castellani, University of Brescia). Member of a research unit.

2017 - 2018
'Verso un'economia circolare'. Grant from Fondazione Cariplo. Partners: Fondazione Cogeme Onlus, Kyoto Club, Fondazione Nymphe, University of Brescia. Member of a research unit.

2015 - 2018
'PEERE - New Frontiers of Peer Review', EU-COST Action TD1306.

Grants, scholarships, and qualifications

2023
National Scientific Qualification (*ASN - Abilitazione Scientifica Nazionale*) as Associate Professor of General Sociology (14/C1), Italian Ministry of University and Research.

National Scientific Qualification (*ASN - Abilitazione Scientifica Nazionale*) as Associate Professor of Economic, Labour, and Environmental Sociology (14/D1), Italian Ministry of University and Research.

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, Fondazione Cariplo and University of Brescia (Italy).

Teaching

Course lecturer

2024 — Social Network Analysis, Department of Social and Political Sciences, University of Milan (Italy) (40 hours, English, graduate course for MA and PhD students).

2021 - 2023 Social Network Analysis, Department of Social and Political Sciences, University of Milan (Italy) (30 hours, English, course for PhD students).

2019 - 2020 Introduction to Research, University of Brescia (Italy) (15 hours, English, course for PhD students).

Summer schools

2023 Behave Summer School on Agent-Based Modelling, University of Milan, Brescia (Italy), 11-22 September (80 hours, English, member of the teaching staff).

2022 Behave Summer School on Agent-Based Modelling, University of Milan, Brescia (Italy), 29 August - 9 September (80 hours, English, member of the teaching staff).

Opening the black box of social causality: agent-based models, ReSPoS (Research Strategies in Policy Studies) Summer School on "Causality in Policy Studies - A Pluralist Toolbox", University of Milan, 4-8 July (2.5 hours, English).

2021 Behave Summer School on Agent-Based Modelling for Social Scientists, University of Milan, online, 30 August - 10 September (36 hours, English, member of the teaching staff).

Behave Spring School 2021, University of Milan, online, 19-23 April (30 hours, English, member of the teaching staff).

2020 Behave Summer School on Agent-Based Modelling for Social Scientists, University of Milan, online, 7-16 September (36 hours, English, member of the teaching staff).

2019 Social Network Analysis Lab with R, III Scuola SISEC 2019 (Summer School of the Society of Italian Economic Sociologists), Pula, Italy, 30 September - 5 October (10 hours, Italian, lecturer).

Behave Summer School on Agent-Based Modelling for Social Scientists, University of Milan, Brescia (Italy), 2-11 September (65 hours, English, member of the teaching staff).

Introduction to Social Network Analysis, ECSR-CCA-NASP Spring School "New and Old Data: Cutting-Edge Approaches to Quantitative Social Research", Collegio

Carlo Alberto, Turin (Italy), 25-29 March (2 hours, English, lecturer).

2018   Behave Summer School on Agent-Based Modelling for Social Scientists, University of Milan, Brescia (Italy), 3-7 September (35 hours, English, member of teaching staff).

2017   "GECS Summer School on Agent-Based Modelling for Social Scientists", University of Brescia, Italy, 4-8 September (20 hours, English, teaching assistant).

2016   "GECS Summer School on Agent-Based Modelling for Social Scientists", University of Brescia, Italy, 20-24 June (20 hours, English, teaching assistant).

Teaching assistant

2020 - 2022   Behavioural Sociology, graduate course, Faculty of Political, Economic and Social Sciences, University of Milan (Italy) (12 hours, Italian).

2019 - 2022   Sociology, undergraduate course, Faculty of Political, Economic and Social Sciences, University of Milan (Italy) (20 hours, Italian).

2015   Agent-Based Modelling, graduate course, University of Brescia, Italy (20 hours, English).

PhD student advisement

2022 —   Margherita Criveller (Co-supervisor)

Service

University service

2023 —   Member of the Council of the Department of Social and Political Sciences, University of Milan.

Member of the Council of Temporary Researchers, University of Milan.

Service to the profession

2024   Member of the selection committee for the 2025 Simmel Award of the International Network for Social Network Analysis.

Associate Managing Editor, *Sociologica – International Journal for Sociological Debate*.

Editorial board member, *Sociologica – International Journal for Sociological Debate*.

Reviewer for:
American Sociological Review, Cambio, Computational and Mathematical Organization Theory, Frontiers in Research Metrics and Analytics, Frontiers in Sociology, Heliyon, Journal of Artificial Societies and Social Simulation, Journal of Ethnic and Migration Studies, Learned Publishing, Research Evaluation, Royal Society Philosophical Transactions B, Scientometrics, Social Networks, Social Science & Medicine, Social Science Research, Sociologia e ricerca sociale, Sociologica, Sociological Research Online.

Public reviews on Web of Science.

Advanced training

2023   "Causal network analysis", Sunbelt 2023 Conference Workshop, online.

2021   "Conducting personal networks research with Network Canvas", Networks 2021 Conference Workshop, online.

2018   "Simplifying egocentric network analysis using *egor*", XXXVIII Sunbelt Conference Workshop, Utrecht, The Netherlands.

2017   "Multilevel longitudinal network analysis", ARS '17 - Sixth International Workshop on Social Network Analysis, Naples, Italy.

2016   "Temporal Exponential Random Graph Models (tERGM)", 2nd European Social Network Conference Workshop, Paris, France.

"The analysis of longitudinal social network data using *RSiena*", 2nd European Social Network Conference Workshop, Paris, France.

"Exponential family Random Graph Modeling (ERGMs) using *statnet*", XXXVI Sunbelt Conference Workshop, Newport Beach (CA), United States.

"From words to networks: Text-based/semantic network analysis", XXXVI Sunbelt Conference Workshop, Newport Beach (CA), United States.

2015   "Advanced social network analysis: Selection mechanisms and social structure", Essex Summer School in Social Science Data Analysis, University of Essex, United Kingdom.

"Mathematics for social scientists II", Essex Summer School in Social Science Data Analysis, University of Essex, United Kingdom.

2014   "ESSA Summer School in Social Simulation", ESSA - European Social Simulation Association, Autonomous University of Barcelona, Spain.

"PhD Course in Microsociology and Social Psychology", Department of Sociology, Linnæus University, Växjö, Sweden.

2012   "NetLogo EduLABSS School", LABSS - Laboratory for Social Simulation, Institute of Cognitive Science and Technology - Natuinal Research Council, Rome, Italy.

Membership

ISA – International Sociological Association (RC45 - Research Committee on Rational Choice)
SISEC – Società Italiana di Sociologia Economica

Other working experience

2015   *Business consultant*, Goetz Partners (Milano, Italy).

2012 - 2014   *Business consultant*, L.E.K. Consulting (Milano, Italy).

2012 - 2013   *Junior Researcher*, Adriano Olivetti Foundation - Economy & Society Division (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 (tidyverse), Stata, SPSS
Data Visualization	ggplot2
Programming	R (*expert*), Python (*basic*), Pascal (*basic*)
Social Network Analysis	Gephi, igraph, PNet family, RSiena, statnet, tidygraph, UCINET
Productivity	LibreOffice, LaTeX, Markdown, MS Office, OpenOffice, Pandoc, Prezi, Rmarkdown
Version control	git
Web	WordPress, HTML (*basic*)