Sandra González-Bailón

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Appointments

2023-now	Carolyn Marvin Professor of Communication, Professor of Sociology (secondary appointment), Director, Center for Information Networks and Democracy (cind.asc.upenn.edu), Annenberg School for Communication, University of Pennsylvania.
2018-23	Associate Professor, Annenberg School for Communication, University of Pennsylvania.
2013-18	Assistant Professor, Annenberg School for Communication, University of Pennsylvania.
2008-13	Research Fellow, Oxford Internet Institute and Nuffield College, University of Oxford.
2007-08	Postdoctoral Fellow, Sociology Department and Nuffield College, University of Oxford.

Education

2004-07	DPhil Sociology, Nuffield College, University of Oxford. <u>Thesis</u>: *Mapping Civil Society on the Web: Networks, Alliances, and Informational Landscapes.*
2003-04	MSc Sociology (distinction), Lady Margaret Hall, University of Oxford. <u>Thesis</u>: *The Role of Dynamic Networks in Social Capital: a Simulation Experiment.*

Publications

A. Books

2. Foucault-Welles, B. and González-Bailón, S. (eds.) (2020). *The Oxford Handbook of Networked Communication,* Oxford: Oxford University Press.

1. González-Bailón, S. (2017). *Decoding the Social World. Data Science and the Unintended Consequences of Communication*, Boston, MA: MIT Press.

B. Journal Articles

48. González-Bailón, S., Lazer, D., Barberá, P., Godel, W., Allcott, H., Brown, T., Crespo-Tenorio, A., Freelon, D., Gentzkow, M., Guess, A.M., Iyengar, S., Mie Kim, Y., Malhotra, N., Moehler, D., Nyhan, B., Pan, J., Velasco Rivera, C., Settle, J., Thorson, E., Tromble, R., Wilkins, A., Wojcieszak, M., Kiewiet de Jonge, C., Franco, A., Mason, W., Stroud, N., Tucker, J.A. (2024) "The Diffusion and Reach of (Mis)Information on Facebook during the U.S. 2020 Election", *Sociological Science*, 11: 1124-1146.

47. Allcott, H., Gentzkow, M., Mason, W., Wilkins, A., Barberá, P., Crespo-Tenorio, A., Dimmery, D., Nait El Barj, H., Freelon, D., González-Bailón, S., Guess, A.M., Iyengar, S., Mie Kim, Y., Lazer, D., Malhotra, N., Moehler, D., Nyhan, B., Pan, J., Paixao de Queiroz, A.C., Settle, J., Thorson, E., Tromble, R., Velasco Rivera, C., Wojcieszak, M., Zahedian, S., Franco, A., Kiewiet de Jonge, C., Stroud, N., Tucker, J. A. (2024) "The Effects of Facebook and Instagram on the 2020 Election: A Deactivation Experiment", *Proceedings of the National Academy of Sciences,* 121, 21: e2321584121.

46. Horvát, E.-Á., and González-Bailón, S. (2024) "Quantifying gender disparities and bias online", *Journal of Computer-Mediated Communication*, 29(1).

45. Zhou, A., Yang, T., González-Bailón, S. (2023) "The Puzzle of Misinformation: Exposure to Unreliable Information is Higher among the Better Informed", *New Media & Society*, https://doi.org/10.1177/14614448231196863.

44. González-Bailón, S., Lazer, D., Barberá, P., Zhang, M., Allcott, H., Brown, T., Crespo-Tenorio, A., Freelon, D., Gentzkow, M., Guess, A.M., Iyengar, S., Mie Kim, Y., Malhotra, N., Moehler, D., Nyhan, B., Pan, J., Velasco Rivera, C., Settle, J., Thorson, E., Tromble, R., Wilkins, A., Wojcieszak, M., Kiewiet de Jonge, C., Franco, A., Mason, W., Stroud, N., Tucker, J.A. (2023) "Asymmetric Ideological Segregation in Exposure to Political News on Facebook", *Science*, 381(6656): 392-398.

43. Nyhan, B., Settle, J., Thorson, E., Wojcieszak, M., Barberá, P., Chen, A. Y., Allcott, H., Brown, T., Crespo-Tenorio, A., Freelon, D., Gentzkow, M., González-Bailón, S., Guess, A.M., Lazer, D., Mie Kim, Y., Malhotra, N., Moehler, D., Pan, J., Velasco Rivera, C., Tromble, R., Wilkins, A., Kiewiet de Jonge, C., Franco, A., Mason, W., Stroud, N., Tucker, J.A. (2023) "Like-Minded Sources on Facebook are Prevalent but not Polarizing", *Nature*, 620, 137–144.

42. Guess, A.M., Malhotra, N., Pan, J., Barberá, P., Allcott, H., Brown, T., Crespo-Tenorio, A., Dimmery, D., Freelon, D., Gentzkow, M., González-Bailón, S., Kennedy, E., Mie Kim, Y., Lazer, D., Moehler, D., Nyhan, B., Velasco Rivera, C., Settle, J., Thorson, E., Tromble, R., Wilkins, A., Wojcieszak, M., Kiewiet de Jonge, C., Franco, A., Mason, W., Stroud, N., Tucker, J.A. (2023) "Reshares on Social Media Amplify Political News but Do Not Detectably Affect Beliefs or Opinions", *Science*, 381(6656): 404-408.

41. Guess, A.M., Malhotra, N., Pan, J., Barberá, P., Allcott, H., Brown, T., Crespo-Tenorio, A., Dimmery, D., Freelon, D., Gentzkow, M., González-Bailón, S., Kennedy, E., Mie Kim, Y., Lazer, D., Moehler, D., Nyhan, B., Velasco Rivera, C., Settle, J., Thorson, E., Tromble, R., Wilkins, A., Wojcieszak, M., Kiewiet de Jonge, C., Franco, A., Mason, W., Stroud, N., Tucker, J.A. (2023) "How Do Social Media Feed Algorithms Affect Attitudes and Behavior in an Election Campaign?", *Science*, 381(6656): 398-404.

40. González-Bailón, S., and Lelkes, Y. (2022). "Do Social Media undermine Social Cohesion? A Critical Review", *Social Issues and Policy Review*, 17:155–180.

39. González-Bailón, S., D'Andrea, V., Freelon, D., and De Domenico, M. (2022). "The Advantage of the Right in Social Media News Sharing", *PNAS Nexus*, 1(3).

38. González-Bailón, S., and Xenos, M. (2022). "The Blind Spots of Measuring Online News Exposure: A Comparison of Self-Reported and Observational Data in Nine Countries", *Information, Communication & Society,* 26(10).

37. Langrock, I., and González-Bailón, S. (2022). "The Gender Divide in Wikipedia: Quantifying and assessing the impact of two feminist interventions", *Journal of Communication,* 72(3).

36. Mukerjee, S., Yang, T., Stadler, G., and González-Bailón, S. (2022). "What Counts as a Weak Tie? A Comparison of Filtering Techniques to Analyze Co-Exposure Networks", *Social Networks*, 68(1): 386-393.

35. Waldherr, A., Hilbert, M., and González-Bailón, S. (2021) "Worlds of Agents: Prospects of Agent-Based Modeling for Communication Research", *Communication Methods and Measures*, 15(4): 243-254.

34. Lazer, D., Hargittai, E., Freelon, D., González-Bailón, S., Munger, K., Ognyanova, K., Radford, J. (2021) "Meaningful Measures of Human Society in the 21st Century", *Nature*, 595:189–196.

33. González-Bailón, S. (2021) "Transparency in the Algorithmic Society", in 'The Internet and public policy: Future directions', with Margetts, H., Lehdonvirta, V., Hutchinson, J., Bright, J., Nash, V., & Sutcliffe, D. *Policy & Internet*, 1–23.

32. González-Bailón, S., and De Domenico, M. (2021). "Bots are Less Central than Verified Accounts during Contentious Political Events", *Proceedings of the National Academy of Sciences*, 118(11).

31. Yang, T., Majó-Vázquez, S., Nielsen, R. K., and González-Bailón, S. (2020). "Exposure to News Grows Less Fragmented with an Increase in Mobile Access", *Proceedings of the National Academy of Sciences*, 117(46): 28678–28683.

30. Lazer, D., Pentland, M. J., A., Watts, D. J., Aral, S., Athey, S., Contractor, N., Freelon, D., González-Bailón, S., King, G., Margetts, H., Nelson, A., Salganik, M. J., Strohmaier, M., Vespignani, A., and Wagner, C. (2020). "Computational social science: Obstacles and opportunities." *Science,* 369(6507): 1060-1062.

29. Hilbert, M., Barnett, G., Blumenstock, J., Contractor, N., Diesner, J., Frey, S., González-Bailón, S., Lamberson, P.J., Pan, J., Peng, T.Q., Shen, C., Smaldino, P.E., van Atteveldt, W., Waldherr, A., Zhang, J., Zhu, J. J. H. (2019). Computational Communication Science: A Methodological Catalyzer for a Maturing Discipline. *International Journal of Communication*, 13: 3912-34.

28. Majó-Vázquez, S., Nielsen, R. K., and González-Bailón, S. (2019). "The Backbone Structure of Audience Networks: A New Approach to Comparing Online News Consumption across Countries", *Political Communication*, 36(2): 227-240.

27. Piedrahita, P., Borge-Holthoefer, J., Moreno, Y., and González-Bailón, S. (2018). "The Contagion Effects of Repeated Activation in Social Networks", *Social Networks*, 54, 326-335.

26. Mukerjee, S., Majó-Vázquez, S., and González-Bailón, S. (2018). "Networks of Audience Overlap in the Consumption of Digital News", *Journal of Communication*, 68(1): 26-50.

25. Majó-Vázquez, S., Cardenal, A.S., and González-Bailón, S. (2017). "Digital News Consumption and Copyright Intervention: Evidence from Spain before and after the 2015 'Link Tax'". *Journal of Computer-Mediated Communication*, 22(5): 284–301.

24. Borge-Holthoefer, J., Perra, N., Gonçalves, B., González-Bailón, S., Arenas, A., Moreno, Y., Vespignani, A. (2016). "The Dynamics of Information-Driven Coordination Phenomena: a Transfer Entropy Analysis", *Science Advances*, 2(4).

23. González-Bailón, S., and Wang, N. (2016). "Networked Discontent. The Anatomy of Protest Campaigns in Social Media", *Social Networks*, 44: 95-104.

22. Barberá, P., Wang, N., Bonneau, R., Jost, J.T., Nagler, J., Tucker, J., and González-Bailón, S. (2015). "The Critical Periphery in the Growth of Social Protests", *PLoS ONE*, 10 (11).

21. Mai, B., Liu, J., and González-Bailón, S. (2015). "Network Effects in the Academic Market: Mechanisms for Hiring and Placing Ph.D.s in Communication (2007-2014)", *Journal of Communication*, 65(3), 558–583.

20. González-Bailón, S., and Paltoglou, G. (2015). "Signals of Public Opinion in Online Communication: A Comparison of Methods and Data Sources", *ANNALS of the American Academy of Political and Social Science*, 659(1), 95-107.

19. González-Bailón, S., Wang, N., and Borge-Holthoefer, J. (2014). "The Emergence of Roles in Large-Scale Networks of Communication", *EPJ Data Science*, 3:32.

18. González-Bailón, S., Wang, N., Rivero, A., Borge-Holthoefer, J., Moreno, Y. (2014). "Assessing the Bias in Samples of Large Online Networks", *Social Networks*, 38(1), 16-27.

17. González-Bailón, S. (2013). "Big Data and the Fabric of Human Geography", *Dialogues in Human Geography, 3*(3), 292-296.

16. Baños, R., Borge-Holthoefer, J., Wang, N., Moreno, Y., and González-Bailón, S. (2013). "Diffusion Dynamics with Changing Network Composition", *Entropy* (special issue on *Social Networks and Information Diffusion*), 15(11): 4553-4568.

15. González-Bailón, S. (2013). "Social Science in the Era of Big Data", *Policy & Internet, 5*(2), 147-160.

14. Borge-Holthoefer, J., Baños, R., González-Bailón, S., and Moreno, Y. (2013). "Cascading Behaviour in Complex Socio-Technical Networks", *Journal of Complex Networks, 1*(1), 3-24.

13. González-Bailón, S., Borge-Holthoefer, J., and Moreno, Y. (2013). "Broadcasters and Hidden Influentials in Online Protest Diffusion", *American Behavioral Scientist*, 57(7): 943-965.

12. González-Bailón, S., and Murphy, T. (2013). "The Effects of Social Interactions on Fertility Decline in Nineteenth-Century France: an Agent-Based Simulation Experiment", *Population Studies*, 67(2), 135-155.

11. González-Bailón, S., Jennings, W., and Lodge, M. (2012). "Politics in the Boardroom: Corporate Pay, Networks and Recruitment of former Parliamentarians, Ministers and Civil Servants in Britain", *Political Studies, 61*(4), 850-873.

10. González-Bailón, S., Banchs, R., and Kaltenbrunner, A. (2012). "Emotions, Public Opinion and U.S. Presidential Approval Rates: A 5 Year Analysis of Online Political Discussions", *Human Communication Research*, 38(2): 121-143.

9. González-Bailón, S., Borge-Holthoefer, J., Rivero, A., and Moreno, Y. (2011). "The Dynamics of Protest Recruitment through an Online Network", *Scientific Reports*, 1, 197.

8. González-Bailón, S., Kaltenbrunner, A., and Banchs, R. (2010). "The Structure of Political Discussion Networks: A Model for the Analysis of Online Deliberation", *Journal of Information Technology,* 25 (2): 230-243.

7. González-Bailón, S. (2009). "Traps on the Web: the Impact of Economic Resources and Traditional News Media on Online Traffic Flow", *Information, Communication and Society,* 12 (8): 1140-1173.

6. González-Bailón, S. (2009). "Opening the Black Box of Link Formation: Social Factors Underlying the Structure of the Web", *Social Networks*, 31(4): 271-280.

5. González-Bailón, S. (2009). "Networks and Mechanisms of Interdependence: Theoretical Developments Beyond the Rational Action Model", *Revista Internacional de Sociología,* 67(3).

4. González-Bailón, S. (2006). "The role of Dynamic Networks in Social Capital: a Simulation Experiment", *Papers. Revista de Sociología*, 80: 171-194.

3. González-Bailón, S. (2004). "Artificial Societies? An Introduction to Social Simulation", *Revista Internacional de Sociología*, n. 39.

2. González-Bailón, S. (2002). "Simulation and Social Change: an Evolutionary Approach", *Revista Catalana de Sociologia*, n. 18.

1. González-Bailón, S. (2000). "Homo Sociologicus: the Action Guided by Social Norms", *Revista Catalana de Sociologia*, n. 13.

C. Book Chapters

15. Shugars, S., and González-Bailón, S. (2022). "Semantic and Cultural Networks", in *Handbook of Social Network Analysis,* 2nd Edition, edited by John McLevey, Peter Carrington, and John Scott, London: Sage.

14. Majó-Vázquez, S., and González-Bailón, S. (2022). "Polarización y Medios de Comunicación en España", in *Economic Policy: Policy Insight*, Barcelona: Centro de Economía Política Esade.

13. Langrock, I., and González-Bailón, S. (2022). "Protest Networks, Mobilization, and Resilience", chapter for *Research Agenda for Social Networks and Social Resilience*, edited by Emmanuel Lazega, Tom Snijders, Rafael Wittek, Cheltenham: Edward Elgar Publishers.

12. Majó-Vázquez, S., and González-Bailón, S. (2021). "Información y Desinformación durante el Año de la Pandemia de la Covid-19 en España", in *Informe sobre la Democracia en España*, Madrid: Fundación Alternativas.

11. Majó-Vázquez, S., Nielsen, R., and González-Bailón, S., (2020). "El Consumo de Noticias en Internet y en Redes Sociales en España", in *Informe sobre la Democracia en España,* Madrid: Fundación Alternativas.

10. Mukerjee, S., González-Bailón, S., (2019). "Social Media Data: Quantitative Analysis", in Atkinson, P. A. (ed) *SAGE Research Methods Foundations*, London: Sage.

9. Majó-Vázquez, S., and González-Bailón, S., (2018). "Digital News and the Consumption of Political Information", in Dutton, W.H. and Graham, M. (eds) *Society and the Internet*, 2nd Edition. Oxford: OUP.

8. Borge-Holthoefer, J. and González-Bailón, S. (2017). "Scale, Time and Activity Patterns: Advanced Methods for the Analysis of Online Networks", in Fielding, N., Lee, R., and Blank, G. (eds). *Handbook of Online Research Methods,* Thousand Oaks: Sage.

7. Yang, S. and González-Bailón, S. (2016). "Semantic Networks and the Analysis of Public Opinion", in Victor, J.N., Lubell, M., and Montgomery, A.H. (eds) *The Oxford Handbook of Political Networks*, Oxford: Oxford University Press.

6. González-Bailón, S. (2015) Social Protest and New Media. In: James D. Wright (editor-in-chief), International Encyclopaedia of the Social & Behavioral Sciences, 2nd edition, Vol 22. Oxford: Elsevier. pp. 512–517.

5. Petchler, R., and González-Bailón, S. (2015). "Automated Content Analysis of Online Political Communication", in Coleman, S. and Freelon, D. (eds) *Handbook of Digital Politics*, London: Edward Elgar.

4. González-Bailón, S. (2014). "Online Networks and Bottom-Up Politics", in Dutton, W.H. and Graham, M. (eds) *Society and the Internet: How Information and Social Networks are Changing our Lives*, Oxford: OUP.

3. González-Bailón, S., Borge-Holthoefer, J., and Moreno, Y. (2014). "Online Networks and the Diffusion of Protest", in Manzo, G. (ed) *Analytical Sociology: Norms, Actions, and Networks*, London: Wiley.

2. Borge-Holthoefer, J., González-Bailón, S., Rivero, A., and Moreno, Y. (2014). "The Spanish 'Indignados' Movement: Time Dynamics, Geographical Distribution, and Recruitment Mechanisms", in Agarwal, N., Lim, M., and Wigand, R. (eds) *Online Collective Action: Dynamics of the Crowd in Social Media*, NY: Springer.

1. González-Bailón, S. (2010). "El Papel de las Redes Sociales en el Capital Social y los Experimentos de Simulación", in Noguera, Jose A. (ed.) *Teoría Sociológica Analítica*, Madrid: CIS.

D. Book Reviews

8. González-Bailón, S. (2020). Frenemies: How Social Media Polarizes America, by Jaime E. Settle, *Journalism and Mass Communication Quarterly*, 97(4): 1178-1180.

7. González-Bailón, S. (2020). Bit by Bit: Social Research in the Digital Age, by Matthew J. Salganik, *Journal of Mathematical Sociology*, 44(4): 267-268.

6. González-Bailón, S. (2015). Networked. The New Social Operating System, by Lee Rainie and Barry Wellman, *Information, Communication, & Society*, 18 (12): 1428-1429.

5. González-Bailón, S. (2014). Big Data: A Revolution That Will Transform How We Live, Work and Think, by Kenneth Cukier and Viktor Mayer-Schönberger, *Information Polity*, 19(1-2).

4. González-Bailón, S. (2012). Everything is Obvious* Once you Know the Answer by Duncan J. Watts, *Revista Española de Investigaciones Sociológicas*,v. 137, n. 1 [Spanish].

3. González-Bailón, S. (2008). Network Power. The Social Dynamics of Globalisation by David Singh Grewal, *Primera Revista Latinoamericana de Libros*, n. 6 [Spanish].

2. González-Bailón, S. (2006). On Sociology by J.H. Goldthorpe and Social Mechanisms edited by P. Hedström and R.S. Swedberg, *Papers. Revista de Sociología*, n. 80 [Spanish].

1. González-Bailón, S. (2003). Dynamic Social Network Modelling and Analysis: Workshop Summary and Papers, edited by Ronald Breiger, Kathleen Carley and Philippa Pattison, *Journal of Artificial Societies and Social Simulation*, v. 6, n. 4.

E. Op-Eds and Commentary

9. González-Bailón, S. and Lazer, D. (2024) "The Need to Make Content Moderation Transparent", *TechPolicy.Press*, https://www.techpolicy.press/the-need-to-make-content-moderation-transparent, December 11.

8. González-Bailón, S. and Gorham, A. E. (2018) "Want to Change Facebook? Don't Delete your Account—Use it for Good", *Quartz*, https://qz.com/1244750, April 4.

7. Corbett-Davies, S., Goel, S., and González-Bailón, S. (2017) "Even Imperfect Algorithms Can Improve the Criminal Justice System. A Way to Combat the Capricious and Biased Nature of Human Decisions", *The New York Times*, https://goo.gl/KUB3VU, December 20.

6. González-Bailón, S. (2016) "Could online 'slacktivists' actually help Making a Murderer's Steven Avery?", *The Conversation*, http://goo.gl/rkFaIC, January 11.

5. González-Bailón, S. and Barberá, P. (2015). "Why Everyone in a Network is Important for Movements – even the Slacktivists", *Washington Post*, https://goo.gl/dHeTA4, November 30.

4. Barberá, P., and González-Bailón, S. (2013). "The Dynamics of Information Diffusion in the Turkish Protests", *The Monkey Cage*, http://themonkeycage.org/2013/06/30822/, June 9.

3. González-Bailón, S. (2013). "15M, ¿nos vemos en las redes?", *Piedras de Papel*, eldiario.es, www.eldiario.es/piedrasdepapel/vemos-redes-sociales_6_132346779.html, 14 May.

2. González-Bailón, S. (2013). "From Chiapas to Tahrir: Networks and the Diffusion of Protest", *World Politics Review*, www.worldpoliticsreview.com/features/106/mobilizing-dissent-local-protest-global-audience, 16 April.

1. González-Bailón, S. (2012). "Where did the Revolution Go?", *Al Jazeera English*, www.aljazeera.com/indepth/opinion/profile/sandra-gonzalez-bailon.html, 6 April.

Fellowships

2024	Barcelona Supercomputing Center (Severo Ochoa Mobility Grant), Barcelona, Spain.
2020-21	Penn Fellows Program, University of Pennsylvania.
2019-20	Lenore Annenberg and Wallis Annenberg Fellowship in Communication, Center for Advanced Study in the Behavioral Sciences, Stanford University, Stanford, CA.
2019	Weizenbaum Institute for the Networked Society, Berlin, Germany.

Grants and Funding

2020-24	PI, National Science Foundation Grant ("Behavioral Effects of Exposure to Political Content in Social Media", $250,000).
2017-21	PI, National Science Foundation Grant ("Digital News and the Consumption of Information Online", co-PI: Rasmus K. Nielsen, $130,000).
2014	Penn Social Science and Policy Forum course development grant ("The Theory of Networks: How Digital Technologies Shape Collective Behavior and Why it Matters", with Victor Preciado, $4,000).
2012-13	John Fell OUP Research Fund Grant ("Public Opinion Indicators in Online Communication", $12,300*).
2012-13	JISC Grant ("Big Data: Demonstrating the Value of the UK Web Domain Dataset for Social Science Research", with Helen Margetts, Eric Meyer, Scott Hale, and Tom Nicholls, $130,000*).
2012	Google Research Grant ("Leaders and Followers in Online Activism", with Helen Margetts and Ning Wang, $100,000*).
2011	John Fell OUP Research Fund Grant ("Student Protest and Digital Media: The Campaign Against Tuition Fees", with Michael Biggs, $11,500*).
2010	John Fell OUP Research Fund Grant ("Social Feedback and the Emergence of Norms in the Production of Online Public Goods", $7,700*).
2007-08	ESRC Postdoctoral Fellowship ("Mapping Civil Society on the Web", $111,000*).
2004-06	Foundation Caja Madrid Scholarship (fees and stipend).
2003-04	La Caixa – The British Council Scholarship (fees and stipend).

Converted from GBP

Invited Talks and Keynotes[*]

124. Lake Como School on Complex Networks, Como, Italy, May 14, 2025 (invitation accepted).

123. Colloquium Series, Department of Communication, University of Missouri, MO, April 18, 2025 (invitation accepted).

122. [*] Jornadas sobre Medios, Redes y Polarización Política, Universidad Nacional de San Martín, Buenos Aires, Argentina, December 4, 2024.

121. [*] Conference on Criminal Law in the New Digital Communicative Ecosystem, Universidad Miguel Hernández, Elche, Spain, November 21, 2024.

120. Colloquium Series, Philosophy Program, CUNY Graduate Center, New York, NY, November 13, 2024.

119. Conferencia Cultura Social Media, Universidad Adolfo Ibáñez, Santiago, Chile, September 26, 2024.

118. * XXV Congress of the World Association of Women Journalists and Writers (AMMP World), Punta Arenas, Chile, September 23, 2024.

117. * Conference on Democracy & Digital Citizenship, Digital Democracy Centre, University of Southern Denmark, Odense, Denmark, September 3, 2024.

116. * Comparative Agendas Annual Meeting, Universitat de Barcelona, Barcelona, Spain, June 14, 2024.

115. Center for Social Media and Politics, New York University, New York, NY, April 19, 2024.

114. The Ohio State University, Columbus, OH, April 12, 2024.

113. * Magíster en Comunicación Política y Asuntos Públicos, Universidad Adolfo Ibáñez, Santiago, Chile, April 9, 2024.

112. Network Science Institute, Northeastern University, Boston, MA, March 29, 2024.

111. Frontiers Workshop in Online Political Behavior, Duke University, Durham, NC, March 22, 2024.

110. OSoMe Awesome Speakers Series, Observatory on Social Media, Indiana University, Bloomington, IN, March 20, 2024.

109. Computational Social Science Workshop, University of Chicago, Chicago, IL, February 15, 2024.

108. The Chinese University of Hong Kong, Hong Kong, HK, January 8, 2024.

107. Carnegie Mellon University, Pittsburgh, PA, November 28, 2023.

106. Wesleyan University, Middletown, CT, October 2, 2023.

105. Contagion on Complex Social Systems workshop, University of Vermont, Burlington, VT, August 14, 2023.

104. SSRC Workshop on the Economics of Social Media, New York University, New York, NY, July 22, 2023.

103. Congreso Anual de los Estudios de Derecho y Ciencia Política, Universitat Oberta de Catalunya, Barcelona, Spain, June 15, 2023.

102. Santa Fe Institute, May 9, 2023, Santa Fe, NM.

101. Institut für Kommunikations und Medienwissenschaft, University of Bern, Switzerland, April 27, 2023.

100. * Philosophy of Social Science Roundtable, University of Memphis, Memphis, TN, March 17, 2023.

99. Max Planck Institute, Bochum, Germany, October 25, 2022.

98. [*] Summer Institute in Computational Social Science, National University of Singapore, Singapore City, Singapore, June 13, 2022.

97. TEDx, Tarragona, Spain, May 21, 2022.

96. Center for Social Media and Politics, New York University, NYC, NY, April 22, 2022.

95. Michigan Institute for Data Science (MIDAS), University of Michigan, Ann Arbor, MI, April 18, 2022.

94. Colloquium Series, Department of Communication, University of Washington, Seattle, WA, March 30, 2022.

93. Network Science Research Lab, School of Communication and Information, Rutgers University, New Brunswick, NJ, March 11, 2022.

92. Social Psychology Brownbag, New York University, NYC, NY, March 8, 2022.

91. Max Planck Institute for the Study of Societies, Cologne, Germany, January 28, 2022.

90. Program on Democracy and the Internet workshop, Stanford Cyber Policy Center, Stanford University, Stanford, CA, December 7, 2021.

89. [*] VII Reunión Latinoamericana de Analistas de Redes Sociales, Universidad Nacional de Jujuy, San Salvador de Jujuy, Argentina, November 15, 2021.

88. Political Protests Seminar, Political Science Department, Yale University, New Haven, CT, November 2, 2021.

87. Blalock Lectures, ICPSR Summer Program in Quantitative Methods of Social Research, University of Michigan, Ann Arbor, MI, August 10, 2021.

86. Women in Social Computing Special Panel, 15th International Conference on Web and Social Media (ICWSM'21), Atlanta, GA, June 8, 2021.

85. Bridging the Gap Between Surveys and Social Media Panel, Massive Data Institute, McCourt School of Public Policy, Georgetown University, Washington, DC, June 3, 2021.

84. Mathematics and Social Systems Seminar, Department of Mathematics, UCLA, Los Angeles, CA, May 7, 2021.

83. Public Policy and Applied Social Science Seminar, Public Policy Department, UCLA, Los Angeles, CA, April 22, 2021.

82. Tech + Democracy seminar series, Birkbeck's Centre for Cognition, Computation, & Modelling, University of London, London, UK, April 20, 2021.

81. VII Festival de Ciencia Puerto de Ideas, Antofagasta, Chile, April 16, 2021.

80. Connected Politics Lab Seminar, University College Dublin, Dublin, Ireland, March 24, 2021.

79. Data Science/Computational Social Science Seminar, School of Information, University of Michigan, Ann Arbor, MI, March 4, 2021.

78. Women in Network Science (WiNS) Seminar, University of Washington, Seattle, WA, February 24, 2021.

77. Women in Data Science Conference, Philadelphia, PA, February 11, 2021.

76. Cátedra Theodor Heuss, Friedrich Naumann Foundation for Freedom and Mexico Autonomous Institute of Technology (ITAM), Mexico City, Mexico, January 27, 2021.

75. Institute for Analytical Sociology, Linköping University, Linköping, Sweden, December 17, 2020.

74. Colloquium Series, Department of Communication, University of Bern, Bern, Switzerland, November 25, 2020.

73. Seminar Series, Department of Social Sciences, Universidad de San Andrés, Buenos Aires, Argentina, November 20, 2020.

72. Center for Social Data Analytics, Pennsylvania State University, State College, PA, November 13, 2020.

71. X Festival Puerto de Ideas, Valparaíso, Chile, November 7, 2020.

70. Center for Social Media and Politics Seminar Series, NYU, New York, NY, October 23, 2020.

69. Advancing Science Communication Standing Committee, The National Academies of Sciences, Engineering, and Medicine, October 5, 2020.

68. Colloquium Series, Department of Sociology, Colby College, Waterville, ME, October 1, 2020.

67. Seminar Series, Political Science Department, Simon Fraser University, Vancouver, Canada, April 20, 2020.

66. Center for Social Media and Politics, New York University, New York, NY, April 2, 2020.

65. Fracturing Democracy Conference, University of Wisconsin-Madison, Madison, WI, February 28, 2020.

64. Sawyer Seminar, University of Pittsburgh, December 6, 2019.

63. Computational Social Science Group, Facebook, Menlo Park, CA, November 14, 2019.

62. [*] Politics and Computational Social Science, Washington, DC, August 28, 2019.

61. [*] Summer School on Computational Social Science, Berlin, Germany, July 25, 2019.

60. Weizenbaum Institute for the Networked Society, Berlin, Germany, July 11, 2019.

59. [*] The 11th International ACM Web Science Conference, Boston, MA, June 30, 2019.

58. Big Data in Social Sciences and Public Policy Conference, Mexico City, Mexico, May 16, 2019.

57. Penn Club of Fairfield County, Fairfield, CT, May 2, 2019.

56. Workshop on Politics and YouTube: The Next Big Social Network, Princeton, NJ, April 12, 2019.

55. Computational Social Science Working Group, Columbia University, New York City, NY, March 9, 2019.

54. Workshop on the Future of Media Studies, Tel Aviv University, Tel Aviv, Israel, December 15, 2018.

53. European Symposium on Societal Challenges in Computational Social Science, GESIS Institute for the Social Sciences, Cologne, Germany, December 6, 2018.

52. Alex Trebek Forum, University of Ottawa, Ottawa, Ontario, Canada, November 14, 2018 (invitation accepted).

51. The Duke Network Analysis Center, Duke University, Durham, NC, November 12, 2018.

50. Workshop on Viral Deception, Polarization, and Networks, The Warren Center for Network and Data Science, University of Pennsylvania, Philadelphia, PA, November 3, 2018.

49. CSES Symposium on the Future of the Social Sciences, Cornell Club, New York, NY, October 26, 2018.

48. Information Science Colloquium, Cornell University, Ithaca, NY, October 24, 2018.

47. Master en Ciencias de la Comunicación, Universidad de Santiago de Chile, Chile, July 30, 2018.

46. Escuela de Invierno en Métodos, Universidad Católica del Uruguay, Monteviedo, Uruguay, July 23, 2018.

45. Centro de Estudios sobre Medios y Sociedad, Universidad de San Andrés, Buenos Aires, Argentina, July 19, 2018.

44. Beyond Online Data Workshop, International Conference on Web and Social Media (ICWSM), Stanford, CA, June 25, 2018.

43. * IX Encuentro sobre Complejidad, Universidad Distrital, Bogotá, Colombia, May 8, 2018.

42. MORS/Kellogg Seminar Series, Northwestern University, Evanston, IL, April 26, 2018.

41. Social Media and Citizenship Symposium, University of Michigan, Ann Arbor, MI, March 16, 2018.

40. Computational Social Science Presidential Panel, Eastern Sociological Society Annual Meeting, Baltimore, MD, February 22, 2018.

39. Computational Methods in Communication Science Workshop, Hanover, Germany, February 16, 2018.

38. Department of Sociology and Network Science Institute, Northeastern University, Boston, MA, January 10, 2018.

37. Institute of Mass Communication and Media Research, University of Zurich, Switzerland, December 11, 2017.

36. Media Exposure & Opinion Formation Workshop, USC, Los Angeles, CA, November 11, 2017.

35. Social Media and Political Participation Global Conference, Political Science Department, New York University, New York, NY, November 4, 2017.

34. Major Transitions Workshop, Centre for Interdisciplinary Research, Paris, France, June 29, 2017.

33. Summer Institute in Computational Social Science, Princeton University, Princeton, NJ, June 23, 2017.

32. Re-Computing Social Sciences Workshop, University of California, Davis, CA, May 19, 2017.

31. Computational Social Science Panel, Microsoft Research, New York, NY, May 10, 2017.

30. Network Science Distinguished Lecture Series, Network Science Institute, Northeastern University, Boston, MA, March 29, 2017.

29. Social Media and Political Participation Global Conference, NYU Abu Dhabi, UAE, February 11, 2017.

28. Mastering the Challenges of Our Digital Society Workshop, ETH Zurich, Zurich, Switzerland, November 4, 2016.

27. Sociology Department, Columbia University, New York, NY, October 25, 2016.

26. * International Conference on Computational Social Science (IC2S2), Northwestern University, Evanston, IL, June 23, 2016.

25. International Workshop on Social Media and Political Participation (SMaPP Global), Florence, Italy, May 23, 2016.

24. Symposium on New Directions in Computational Social Science and Data Science, Simons Institute, UC Berkeley, CA, April 25-26, 2016.

23. * International Workshop on Research in Computational Social Sciences, GESIS Institute for the Social Sciences, Cologne, Germany, February 23, 2016.

22. * Big Data and Political Science Conference, Mannheim Centre for European Social Research (MZES), University of Mannheim, Germany, October 23, 2015.

21. Social Media and Political Participation Workshop, Political Science Department, New York University, New York, NY, October 2, 2015.

20. NetSci International Conference, World Trade Centre, Zaragoza, Spain, June 4, 2015.

19. Computational Social Science at the Crossroads: Lessons and Challenges, NetSci International Satellite, World Trade Centre, Zaragoza, Spain, June 2, 2015.

18. * Computational Social Science Summit, Northwestern University, Evanston, IL, May 16, 2015.

17. School of Communication, Hong Kong Baptist University, Hong Kong, May 8, 2015.

16. Mathematical Institute, University of Oxford, Oxford, UK, April 21, 2014.

15. Interdisciplinary Committee on Organizational Studies, University of Michigan, Ann Arbor, MI, September 19, 2014.

14. School of Journalism and Communication, Renmin University, Beijing, China, July 14, 2014.

13. Amsterdam School of Communication Research, University of Amsterdam, Amsterdam, The Netherlands, June 10, 2014.

12. School of Communication, Northwestern University, Evanston, IL, December 5, 2013.

11. Center for Information Technology Policy, Princeton University, NJ, October 17, 2013.

10. Universitat Oberta de Catalunya, Barcelona, Spain, September 17, 2013.

9. La Pietra Dialogues, New York University Florence, Italy, May 10, 2013.

8. Computing Research Institute, Qatar Foundation, Qatar, February 18, 2013.

7. University of Düsseldorf, Germany, December 13, 2012.

6. Annenberg School for Communication, University of Pennsylvania, Philadelphia, PA, November 9, 2012.

5. Association of Southern European Economic Theorists, FUE Session, Limassol, Cyprus, November 2, 2012.

4. Higher School of Economics, St. Petersburg, Russia, September 27, 2012.

3. Centre for New Media and Society, New Economic School, Moscow, Russia, March 12, 2012.

2. University of Wolverhampton, Wolverhampton, UK, March 25, 2009.

1. Pompeu Fabra University, Barcelona, Spain, May 14, 2008.

Teaching

2014-24   *Graduate level*: Introduction to Networks; Media and Social Movements; Data Visualization for Research; Decoding the Social World; Digital News and the Consumption of Information Online; Social Media and Political Information; Meaningful Measures in a Data-Driven World; Social Cohesion in the Age of Social Media.

Undergraduate level: Social Media and Social Life; Big Data and Social Networks Research; Understanding Social Networks; Communication in the Networked Age; Data Literacy in the Algorithmic Society.

2008-13   *Graduate level*: Online Social Networks; Digital Era Government and Politics; Social Research Methods and the Internet.

Undergraduate level: Internet Politics.

Graduate Student Advising

- Committee chair:
  - Vishwanath Subramaniyam (Penn, ASC), current.
  - Ify Okpali (Penn, ASC), current.
  - Silvia Téliz (Penn, ASC), current.
  - Isabelle Langrock (Penn, ASC), 2018-2023 (Now: Postdoctoral Researcher at Sciences Po, incoming Assistant Professor at Middlebury College).
  - Alvin Zhou (Penn, ASC), 2017-2022 (Now: Assistant Professor at the Hubbard School of Journalism & Mass Communication, University of Minnesota).
  - Tian Yang (Penn, ASC), 2017-2022 (Now: Assistant Professor at the Chinese University of Hong Kong, CUHK).

- Subhayan Mukerjee (Penn, ASC), 2015-2020. (Now: Assistant Professor at the National University of Singapore).
- Yilang Peng (Penn, ASC), 2014-2019. (Now: Assistant Professor at the University of Georgia).

- Committee member:
  - Calvin Isch, ASC, current.
  - Chloe Ahn, Penn, ASC, current.
  - Shengchun Huang, Penn, ASC, current.
  - Alejandra Regla-Vargas, Penn, Sociology, 2018-2024. (Now: UX Researcher at TikTok).
  - Brendan Mahoney, Penn, ASC, 2018-2024. (Now: Assistant Teaching Professor at Rutgers University).
  - Ryan Gallagher, Northeastern University, Network Science Institute, 2020-2022. (Now: Applied Scientist at TikTok).
  - Katarzyna Elliott-Maksymowicz, Drexel University, Communication, 2018-2022. (Now: Associate Managing Consultant at Ketchum).
  - Sean Fischer, Penn, ASC, 2016-2022. (Now: Data Scientist in the Cincinnati Reds's baseball analytics department).
  - Kristin Shumaker, Penn, ASC, 2015-2022. (Now: Social Science Research Network at SSRN).
  - Soojong Kim, Penn, ASC, 2015-2020. (Now: Assistant Professor at UC Davis).
  - Vincent Hopkins, Simon Fraser University, Political Science, 2016-2020. (Now: Assistant Professor at the University of British Columbia).
  - Viviana Wu, Penn, School of Social Policy and Practice, 2016-2020. (Now: Assistant Professor at the University of Massachusetts, Amherst).
  - Ashley Gorham, Penn, Political Science, 2014-2019. (Now: Assistant Professor at Hamilton College).
  - Danny Kim, Penn, ASC, 2015-2019. (Now: Data Scientist, Whip Media Group).
  - Seongho An, Penn, School of Social Policy and Practice, 2014-2019. (Now: Assistant Professor at the University of Central Florida).
  - Kecheng Fang, Penn, ASC, 2014-2019. (Now: Assistant Professor at the Chinese University of Hong Kong).
  - Sijia Young, Penn, ASC, 2014-2019. (Now: Associate Professor at University of Wisconsin-Madison).
  - Dror Walter, Penn, ASC, 2014-2018. (Now: Associate Professor at Georgia State University).
  - Joshua Becker, Penn, ASC, 2014-2018. (Now: Associate Professor at University College London).
  - Sílvia Majó-Vázquez, UOC, IN3, 2014-2017. (Now: Assistant Professor at Vrije Universiteit Amsterdam).

- External Thesis examiner:
  - Linda Li, University of Oxford, United Kingdom, 2024 (DPhil).
  - Lucio Wasserman, Universidad de San Andrés, Argentina, 2020 (MPhil).
  - Felix Muench, Queensland University of Technology, Australia, 2018 (PhD).
  - Sanne Kruikemeier, University of Amsterdam, Netherlands, 2014 (PhD).

Undergraduate Student Advising

- Communications Major Honors Thesis:
  - Madison Smith (Penn, ASC), 2023-2024
  - Anika Gururaj (Penn, ASC), 2023-2024
  - Sydney Nixon (Penn, SNF Paideia), 2022-2023
  - Shelley Shim (Penn, ASC), 2017-2018
  - Donna Lee (Penn, ASC), 2015-2016
  - Minji Kwak (Penn, ASC), 2015-2016

Service

Advisory Roles

2023-now	Scientific Advisory Board, Juan March Institute of Social Sciences (IC3JM), Carlos III University, Spain.
2023-now	Advisory Board, Social Media in Society and Culture project, Oxford University Press.
2023-now	Advisory Board, The Civic Health and Institutions Project, a 50 States Survey (CHIP50).
2022-now	Standing Committee on Advancing Science Communication, National Academies of Sciences, Engineering, and Medicine.
2021-now	Women in Network Science (WiNS) Advisory Board.
2020-now	Executive Board, Facebook Election 2020 Project.
2016-now	Steering Committee, International Conference on Computational Social Science (IC2S2).
2023-2024	External Review Committee, The American Academy of Political and Social Sciences (AAPSS).
2019-2023	Scientific Advisory Board, GESIS – Leibniz-Institute for the Social Sciences, Germany.
2020-21	Advisory Expert Panel, NewsLens Project, Knight Foundation.
2018-20	Disinformation and Election Integrity Committee, Social Science One.

Promotion and Tenure Reviews

2018-now   American University; Carnegie Mellon University; Cornell University; National University of Singapore; Northeastern University; Northwestern University; Ohio State University; Technische Universität Dresden; Technische Universität München; University of Illinois Urbana-Champaign; University of Colorado at Boulder; University of Mannheim; University of Michigan; University of Oxford; University of Washington.

Editorial Work

2020-now   Editorial Board, *Journal of Quantitative Description: Digital Media.*

2018-now   Editorial Board, *Computational Communication Research.*

2015-now   Associate Editor, *Social Networks.*

2022-2024   Special Issue Editor (Gender Gaps in Digital Spaces), *Journal of Computer-Mediated Communication.*

2018-2024   Associate Editor, *The International Journal of Press/Politics.*

2017-2023   Associate Editor, *EPJ Data Science.*

2020-22   Board of Reviewing Editors, *Science.*

2013-18   Associate Editor, *Revista Internacional de Sociología.*

2009-14   Editor, *Policy & Internet*, Wiley-Blackwell.

2005-09   Book Review Editor, *Basic Income Studies. An international journal of basic income research.*

Conference Organization

2022   Program Committee, 5th *Annual Politics and Computational Social Science Conference* (PaCSS), Hybrid Conference, Institute for Quantitative Social Science (IQSS), Harvard University, Boston, MA, 16-18 June.

2021   Program Committee, 4th *Annual Politics and Computational Social Science Conference* (PaCSS), Virtual Conference, 9-13 August.

2020   Program Committee, 3rd *Annual Politics and Computational Social Science Conference* (PaCSS), Virtual Conference, 10-14 August.

2019   General Chair, 5th *International Conference on Computational Social Science*, Amsterdam, The Netherlands, 17-20 July.

2019   Program Committee, Web and Society track, *The Web Conference*, San Francisco, CA, 13-17 May.

2018	Senior Program Committee, *12th International AAAI Conference on Web and Social Media*, Stanford, CA, 25-28 June.
2018	Senior Program Committee, *International Conference on Network Science*, Paris, France, 11-15 June.
2017	Program Committee, *European Symposium on Societal Challenges in Computational Social Science*, London, UK, 15-17 November.
2017	Program Co-Chair, *3rd International Conference on Computational Social Science*, Cologne, Germany, 10-13 July.
2017	Program Co-Chair, *11th International AAAI Conference on Web and Social Media*, Montreal, Canada, 15-18 May.
2016	Senior Program Committee, *10th International AAAI Conference on Web and Social Media*, Cologne, Germany, 18-20 May.
2015	Co-Organizer, *Scholars Symposium on Digital Culture*, Annenberg School for Communication, University of Pennsylvania, Philadelphia, 4 December.
2015	Senior Program Committee, *9th International AAAI Conference on Web and Social Media*, Oxford, UK, 26-29 May.
2015	Program Committee, *24th International World Wide Web Conference (WWW15)*, Crowdsourcing Systems and Social Media Track, Florence, Italy, 18-22 May.
2014	Program Committee, *6th International Conference on Social Informatics (SocInfo)*, Barcelona, Spain, 10-13 November.
2014	Organizing Committee, *Computational Social Science: Contagion, Collective Behavior, and Networks*, ECCS'14, Luca, Italy, 24-25 September.
2014	Organizing Committee, *Internet, Politics, Policy: Crowdsourcing for Politics and Policy,* Oxford University, UK, 25-26 September.
2014	Program Committee, *Social Media and Social Movements*, Higher School of Economics, St. Petersburg, Russia, 17-19 September.
2014	Organizing Committee, *Web Science Conference*, Indiana University, US, 23-26 June.
2013	Organizing Committee, *6th Annual Political Networks Conference*, Indiana University, US, 25-29 June.
2012	Organizing Committee, *Internet, Politics, Policy: Big Data, Big Challenges?,* Oxford University, UK, 20-21 September.
2010	Organizing Committee, *Internet, Politics, Policy: an Impact Assessment*, Oxford University, UK, 16-17 September.
2009	Program Committee, *ACM Web Science Conference*, Athens, Greece, 19-21 March.
2008-13	Co-convener, OII-Nuffield Networks Seminar Series.

Fellowship and Award Committees

2025-26	European Research Council (ERC) Evaluation Panel.
2023-24	European Research Council (ERC) Evaluation Panel.
2021-23	Center for Advanced Study in the Behavioral Sciences (CASBS) fellowship selection committee.
2021	National Science Foundation Review Panel.
2021	Best Book Award Committee, Political Networks Section, American Political Science Association (APSA).
2018-19	Social Sciences Committee, State Research Agency, Spanish Ministry of Science.
2015-16	Best Graduate Student Conference Paper Committee member, Political Networks Section of the American Political Science Association.
2014	Award Committee for Best Paper at the *European Social Networks Conference*, Barcelona, Spain, July 1-4.
2013-15	Best Conference Paper Committee Chair, Political Networks Section of the American Political Science Association.

University Committees

2023-25	Penn, Faculty Senate Executive Committee.
2023-24	ASC, Space and Building Committee.
2023-24	ASC, Proseminar Design Committee.
2022-24	ASC, Events Committee.
2014-25	ASC, Undergraduate Advisory Committee.
2023	Penn, Consultative Committee for the Selection of the Dean of the Annenberg School for Communication.
2020-22	ASC, Executive Committee.
2020-21	ASC, Graduate Studies and Admissions Committee.
2018-19	ASC, Third Year Review Committee.
2017-19	Penn, Graduate Council of the Faculties.
2018-19	ASC, Diversity Committee.
2014-18	ASC, Graduate Studies and Admissions Committee.
2016-17	Penn, Provost Office's Council on Research.
2015-16	ASC, Gerbner Post Doc Selection Committee.
2014-15	Penn, Program on Democracy, Citizenship, and Constitutionalism Planning Committee.
2013-14	ASC, Academic Freedom Committee.
2013-14	ASC, IT Committee.