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(last updated: June 2018)

Appointments

- 2018-today Associate Professor (with tenure), Annenberg School, University of Pennsylvania.
Research Associate, Oxford Internet Institute, University of Oxford.
- 2013-2018 Assistant Professor, Annenberg School, University of Pennsylvania.
Research Associate, Oxford Internet Institute, University of Oxford.
- 2008-2013 Research Fellow, Oxford Internet Institute and Nuffield College,
University of Oxford.
- 2007-2008 Postdoctoral Fellow, Department of Sociology and Nuffield College,
University of Oxford.

Education

- 2004-2007 DPhil Sociology, Nuffield College, University of Oxford.
Thesis: *Mapping Civil Society on the Web: Networks, Alliances and Informational Landscapes*.
- 2003-2004 MSc Sociology (distinction), Lady Margaret Hall, University of Oxford.
Thesis: *The Role of Dynamic Networks in Social Capital: a Simulation Experiment*.

Publications

A. Books

2. Foucault-Welles, B. and González-Bailón, S. (eds.) (in press). *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. Peer-Reviewed Articles

28. Majó-Vázquez, S., Nielsen, R. K., and González-Bailón, S. (2018). "The Backbone Structure of Audience Networks: A New Approach to Comparing Online News Consumption across Countries", *Political Communication*, forthcoming.
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

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 [Spanish].

D. Book Reviews

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

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*, 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.

Work Submitted or in Progress

- Borge-Holthoefer, J., and González-Bailón, S. (2017). “Geographies of Change. Networks of

Influence in the Spatial Diffusion of Twitter Activity”.

Mukerjee, S., and González-Bailón, S., (2017). “Filtering Methods for Weighted Networks”.

Gallego, H., Aragón, P., Gómez, V., Kaltenbrunner, A., and González-Bailón, S., (2017).

“Audience Fragmentation and Ideological Bias in Social Media: A Network Approach to News Engagement and Partisanship in Twitter”.

Funding and Awards

- 2017-2020 PI, NSF 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).
- 2012-2013 John Fell OUP Research Fund Grant (“Public Opinion Indicators in Online Communication”, \$12,300*).
- 2012-2013 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*).
- 2007-2008 ESRC Postdoctoral Fellowship (“Mapping Civil Society on the Web”, \$111,000*).

*converted from GBP

Teaching

- 2014-2017 *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.
- Undergraduate level:* Social Media and Social Life; Big Data and Social Networks Research; Understanding Social Networks.
- 2008-2013 *Graduate level:* Online Social Networks; Digital Era Government and Politics; Social Research Methods and the Internet.
- Undergraduate level:* Internet Politics.

Invited Lectures and Keynotes*

- 2018 Sociology Colloquium, Cornell University, Fall, Ithaca, NY (invitation accepted).
- 2018 CSES Symposium on the Future of the Social Sciences, Cornell Club, New York, NY, October 26 (invitation accepted).

- 2018 Master en Ciencias de la Comunicación, Universidad de Santiago de Chile, Chile, July 30 (invitation accepted).
- 2018 Escuela de Invierno en Métodos, Universidad Católica del Uruguay, Montevideo, Uruguay, July 23 (invitation accepted).
- 2018 Centro de Estudios sobre Medios y Sociedad, Universidad de San Andrés, Buenos Aires, Argentina, July 19 (invitation accepted).
- 2018 Beyond Online Data Workshop, International Conference on Web and Social Media (ICWSM), Stanford, CA, June 25.
- 2018* IX Encuentro sobre Complejidad, Universidad Distrital, Bogotá, Colombia, May 8.
- 2018 MORS/Kellogg Seminar Series, Northwestern University, Evanston, IL, April 26.
- 2018 Social Media and Citizenship Symposium, University of Michigan, Ann Arbor, MI, March 16.
- 2018 Computational Social Science Presidential Panel, Eastern Sociological Society Annual Meeting, Baltimore, MD, February 22.
- 2018 Computational Methods in Communication Science Workshop, Hanover, Germany, February 16.
- 2018 Department of Sociology and Network Science Institute, Northeastern University, Boston, MA, January 10.
- 2017 Institute of Mass Communication and Media Research, University of Zurich, Switzerland, December 11.
- 2017 Media Exposure and Opinion Formation Workshop, USC, Los Angeles, CA, November 11.
- 2017 Social Media and Political Participation Global Conference, Political Science Department, New York University, New York, NY, November 4.
- 2017 Major Transitions Workshop, Centre for Interdisciplinary Research, Paris, France, June 29.
- 2017 Summer Institute in Computational Social Science, Princeton University, Princeton, NJ, June 23.
- 2017 Re-Computing Social Sciences Workshop, University of California, Davis, CA, May 19.
- 2017 Computational Social Science Panel, Microsoft Research, New York, NY, May 10.
- 2017 Network Science Distinguished Lecture Series, Network Science Institute, Northeastern University, Boston, MA, March 29.
- 2017 Social Media and Political Participation Global Conference, NYU Abu Dhabi, UAE, February 11.
- 2016 Mastering the Challenges of Our Digital Society Workshop, ETH Zurich, Zurich, Switzerland, November 4.
- 2016 Sociology Department, Columbia University, New York, NY, October 25.
- 2016* International Conference on Computational Social Science (IC2S2), Northwestern University, Evanston, IL, June 23.
- 2016 International Workshop on Social Media and Political Participation (SMaPP Global),

Florence, Italy, May 23.

- 2016 Symposium on New Directions in Computational Social Science and Data Science, Simons Institute, UC Berkeley, CA, April 25-26.
- 2016* International Workshop on Research in Computational Social Sciences, GESIS Institute for the Social Sciences, Cologne, Germany, February 23.
- 2015* Big Data and Political Science Conference, Mannheim Centre for European Social Research (MZES), University of Mannheim, Germany, October 23.
- 2015 Social Media and Political Participation Workshop, Political Science Department, New York University, New York, NY, October 2.
- 2015 NetSci International Conference, World Trade Centre, Zaragoza, Spain, June 4.
- 2015 Computational Social Science at the Crossroads: Lessons and Challenges, NetSci International Satellite, World Trade Centre, Zaragoza, Spain, June 2.
- 2015* Computational Social Science Summit, Northwestern University, Evanston, IL, May 16.
- 2015 School of Communication, Hong Kong Baptist University, Hong Kong, May 8.
- 2015 Mathematical Institute, University of Oxford, Oxford, UK, April 21.
- 2014 Interdisciplinary Committee on Organizational Studies, University of Michigan, Ann Arbor, MI, September 19.
- 2014 School of Journalism and Communication, Renmin University, Beijing, China, July 14.
- 2014 Amsterdam School of Communication Research, University of Amsterdam, Amsterdam, The Netherlands, June 10.
- 2013 School of Communication, Northwestern University, Evanston, IL, December 5.
- 2013 Center for Information Technology Policy, Princeton University, Princeton, NJ, October 17.
- 2013 Universitat Oberta de Catalunya, Barcelona, Spain, September 17.
- 2013 La Pietra Dialogues, New York University Florence, Italy, May 10.
- 2013 Computing Research Institute, Qatar Foundation, Qatar, February 18.
- 2012 University of Düsseldorf, Germany, December 13.
- 2012 The Annenberg School for Communication, University of Pennsylvania, Philadelphia, PA, November 9.
- 2012 Association of Southern European Economic Theorists, FUE Session, Limassol, Cyprus, November 2.
- 2012 Higher School of Economics, St. Petersburg, Russia, September 27.
- 2012 Centre for New Media and Society, New Economic School, Moscow, Russia, March 12.
- 2009 University of Wolverhampton, Wolverhampton, UK, March 25.
- 2008 Pompeu Fabra University, Barcelona, Spain, May 14.

Conference Presentations

- 2018 “The Backbone Structure of Audience Networks: a New Approach to Comparing Online News Consumption across Countries”, with S. Majó-Vázquez and R. K. Nielsen, 4th

- International Conference on Computational Social Science (IC2S2)*, Evanston, IL, USA, 12-15 July.
- 2018 “Networks of Audience Overlap in the Consumption of Digital News”, with S. Mukerjee and S. Majó-Vázquez, *4th International Conference on Computational Social Science (IC2S2)*, Evanston, IL, USA, 12-15 July.
- 2018 “The Structure of Audience Overlap Networks across Media Environments”, with S. Mukerjee, *XI Political Networks Conference*, Arlington, VA, USA, 6-9 June.
- 2018 “The Consumption of Political News across Media Environments: a Comparison of Patterns in the US, UK, and Spain”, with S. Majó-Vázquez and R. K. Nielsen, *68th Annual Conference of the International Communication Association*, Prague, Czech Republic 24-28 May.
- 2018 “What Counts as a Weak Tie? A Comparison of Thresholding Techniques to Analyze Weighted Networks”, with S. Mukerjee, *68th Annual Conference of the International Communication Association*, Prague, Czech Republic 24-28 May.
- 2017 “The Contagion Effects of Repeated Activation in Social Networks”, with P. Piedrahita, J. Borge-Holthoefer and Y. Moreno, *67th Annual Conference of the International Communication Association*, San Diego, CA, USA, 25-29 May.
- 2017 “Network Methods for the Analysis of Online Data”, *67th Annual Conference of the International Communication Association*, San Diego, CA, USA, 25-29 May.
- 2017 “Are Audiences Fragmented in How they Consume News?”, with S. Mukerjee and S. Majó-Vázquez, *67th Annual Conference of the International Communication Association*, San Diego, CA, USA, 25-29 May.
- 2016 “Online Media Networks and Audience Flow: Fragmentation in the Production and Consumption of News on the Web”, with S. Majó-Vázquez and A.S. Cardenal, *66th Annual Conference of the International Communication Association*, Fukuoka, Japan, 9-13 June.
- 2016 “Scale, Time, and Activity Patterns: Advanced Methods for the Analysis of Online Networks”, with J. Borge-Holthoefer, *66th Annual Conference of the International Communication Association*, Fukuoka, Japan, 9-13 June.
- 2016 “The Critical Periphery in the Growth of Social Protests”, with P. Barberá, N. Wang, R. Bonneau, J. Jost, J. Nagler, J. Tucker, *66th Annual Conference of the International Communication Association*, Fukuoka, Japan, 9-13 June.
- 2015 “The Critical Periphery in the Growth of Social Protests”, with P. Barberá, N. Wang, R. Bonneau, J. Jost, J. Nagler, J. Tucker, *8th Annual Political Networks Conference*, Portland, OR, 17-20 June.
- 2015 “Network Effects in the Academic Market: Mechanisms for Hiring and Placing Ph.D.s in Communication (2007-2014)”, with B. Mai and J. Liu, *65th Annual Conference of the International Communication Association*, San Juan, Puerto Rico, 21-25 May.
- 2014 “The Emergence of Roles in Large-Scale Networks of Communication”, with N. Wang and J. Borge-Holthoefer, *7th Annual Political Networks Conference*, Montreal, Canada, 28-31 May; *110th APSA Annual Meeting*, Washington, DC, 26-31 August.
- 2014 “The Bridges and Brokers of Protest Campaigns using Social Media”, with N. Wang, *64th Annual Conference of the International Communication Association*, Seattle, USA, 22-25 May.

- 2014 “Cable News Coverage and Online News Stories: A Large-Scale Comparison of Media Bias”, with G. De Francisci Morales, M. Mendoza, N. Khan, and C. Castillo, *International Communication Association Conference*, Seattle, USA, 22-25 May.
- 2014 “The Self-Organization of Mass Political Protests in the Absence of Media Freedom”, with P. Barberá, *Sunbelt XXXIV*, St.Pete Beach, Florida, USA, 18-23 February.
- 2013 “The Bridges and Brokers of Global Campaigns in the Context of Social Media”, with N. Wang, *Sunbelt XXXIII*, Hamburg, Germany, 21-26 May; *International Network of Analytical Sociologists Conference*, Stockholm, Sweden, 7-8 June; *6th Annual Political Networks Conference*, Bloomington, Indiana, 25-29 June.
- 2012 “Broadcasters and Hidden Influentials in Online Protest Diffusion”, with J. Borge-Holthoefer and Y. Moreno, *International Network of Analytical Sociologists Conference*, NYC, U.S. 8-9 June; *5th Annual Political Networks Conference*, Boulder, CO, U.S., 13-16 June.
- 2011 “Network Mechanisms and the Collapse of an Online Community” with G. Paltoglou, *4th Conference on Analytical Sociology and Social Mechanisms*, Paris, France, 9-10 June; *4th Annual Political Networks Conference*, Ann Arbor, MI, U.S., 14-18 June.
- 2010 “Opinion Environments and the Dynamics of Political Discussion: Mechanisms Driving Participation in Ideologically Aligned Debates” with M. Rolfe, *3rd Conference on Analytical Sociology and Social Mechanisms*, Barcelona, Spain, 7-8 June.
- 2010 “The Online Response to Offline Disengagement: The Growth of Internet-Enabled Political Discussion Networks (1999-2005)”, *3rd Annual Political Networks Conference*, Durham, NC, U.S., 20-21 May.
- 2009 “When the Problem of Collective Action Is Solved: Social Influence, Network Effects, and Participation in an Online Discussion Forum”, *5th General ECPR Conference*, Potsdam, Germany, 10-12 September.
- 2009 “The Private Gains of Public Office? Corporate Rewards of former High Public Officials in Britain” with W. Jennings and M. Lodge, *5th UK Social Networks Conference*, London, UK, 3-5 July.
- 2009 “Political Discussion Networks and the Structure of Deliberation”, *Harvard Political Networks Conference*, Cambridge, MA, U.S., 11-13 June.
- 2009 “Communities on the Web: Mechanisms Underlying the Emergence of Online Discussion Networks” with A. Kaltenbrunner and R. E. Banchs, *WebSci'09: Society On-Line*, Athens, Greece, 19-21 March.
- 2008 “The Mechanisms of Decentralised Politics. The Structure and Evolution of Online Political Discussion Networks”, *QMSS-2 2008 Workshop on Communication Networks on the Web*, Amsterdam, Netherlands 18-19 December.
- 2008 “When Smaller Families Look Contagious: a Spatial Look at the French Fertility Decline using an Agent-Based Simulation Model” with T. E. Murphy, *The 38th World Congress of the International Institute of Sociology*, Budapest, Hungary, 26-30 June; *The 5th Conference of the European Social Simulation Association*, Brescia, Italy, 1-5 September.
- 2008 “Labour Market Behaviour, Unconditional Benefits, and Social Mechanisms: An Agent-Based Model” with J. A. Noguera, *The 38th World Congress of the International Institute of Sociology*, Budapest, Hungary, 26-30 June.

- 2008 “The Importance of Gaining an Audience: Visibility and Reach on the Web 2.0 Age”, *Politics Web 2.0: an International Conference*, Royal Holloway, London, UK, 17-18 April.
- 2008 “The Inner Digital Divide: How the Web Contributes (or not) to Political Equality”, *Sunbelt XXVIII International Social Network Conference*, St Pete Beach, Florida, U.S., 22-27 January; *General Online Research Conference*, Hamburg, Germany, 10-12 March.
- 2007 “The Structure of the Political Domain: Hierarchy and Prestige on the Web”, *Sunbelt XXVII International Social Network Conference*, Corfu, Greece, 1-6 May.
- 2006 “Asymmetries on the Web: Hierarchy and Prestige in the Political Domain”, *3rd Conference on Applications of Social Network Analysis*, Zurich, Switzerland, 5-6 October.
- 2005 “On the Mechanisms Underlying Social Capital Networks: a Simulation Experiment” with Josep M. Pujol, *European Social Simulation Association Conference*, Koblenz, Germany, 6-9 September.
- 2005 “Social Capital and the Analysis of Civil Societies: an Account of Theoretical, Methodological and Empirical Flaws”, *The 37th World Congress of the International Institute of Sociology*, Stockholm, Sweden, 5-9 July.
- 2005 “The Role of Dynamic Networks in Social Capital: a Simulation Experiment”, *The 37th World Congress of the International Institute of Sociology*, Stockholm, Sweden, 5-9 July.
- 2004 “Social Capital and the role of Dynamic Networks: a Conceptual Clarification in the Field of Political Participation”, *Social Capital ECSR Summer School*, Trento, Italy, 22-27 August.

Graduate Student Advising

- Committee chair:
 - Yilang Peng, (Penn, ASC), current.
 - Subhayan Mukerjee (Penn, ASC), current.
- Committee member:
 - Vincent Hopkins (Simon Fraser University, Political Science), current.
 - Douglas Guilbeault (Penn, ASC), current.
 - Seongho An (Penn, School of Social Policy), current.
 - Soojong Kim (Penn, ASC), current.
 - Danny Kim (Penn, ASC), current.
 - Kecheng Fang (Penn, ASC), current.
 - Kristin Shumaker (Penn, ASC), current.
 - Ashley Gorham (Penn, Political Science), current.
 - Sijia Young (Penn, ASC), current.
 - Dror Walter (Penn, ASC), 2014-2018 (now: assistant professor at Georgia State University).
 - Joshua Becker (Penn, ASC), 2014-2018 (now: postdoctoral researcher at Northwestern University).
 - Sílvia Majó-Vázquez (UOC, IN3), 2014-2017 (now: research fellow at the University of Oxford).

- Thesis defense committee member:
 - Sanne Kruijkemeier (University of Amsterdam), 2014 (now: assistant professor at the University of Amsterdam).

Undergraduate Student Advising

- Communications Major Honors Thesis:
 - Shelley Shim (Penn, ASC), 2017-2018
 - Donna Lee (Penn, ASC), 2015-2016
 - Minji Kwak (Penn, ASC), 2015-2016

Service

Peer Review and Editorial Work

- Since 2018 Associate Editor, *The International Journal of Press/Politics*.
- Since 2017 Associate Editor, *EPJ Data Science*.
- Since 2015 Associate Editor, *Social Networks*.
- 2013-2018 Associate Editor, *Revista Internacional de Sociología*.
- Since 2007 Occasional reviewer for the *British Journal of Political Science*, *British Journal of Sociology*, *Communication Research*, *EPJ Data Science*, *Human Communication Research*, *International Journal of Communication*, *Journal of Computer-Mediated Communication*, *Journal of Communication*, *Journal of Information Technology & Politics*, *Journal of Public Policy*, *Journalism, New Media and Society*, *Oxford University Press*, *Physica A*, *Physical Review E*, *PNAS*, *Political Communication*, *PlosOne*, *Public Administration*, *Scientific Reports*, *Social Networks*.
- 2009-2014 Editor, *Policy & Internet*, Wiley-Blackwell.
- 2005-2009 Book Review Editor, *Basic Income Studies. An international journal of basic income research*.

Conference Organization

- 2018 Senior Program Committee, *12th International AAAI Conference on Web and Social Media*, Stanford, US, 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 Planning 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.
- 2008-2013 Co-convener, OII-Nuffield Networks Seminar Series.

Award Committees

- 2015-2016 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.
- 2013-2015 Best Conference Paper Committee Chair, Political Networks Section of the American Political Science Association.

University Committees

- 2014-2018 ASC, Graduate Studies and Admissions Committee.
- 2017-2018 Penn, Graduate Council of the Faculties.
- 2016-2017 Penn, Provost Office's Council on Research.
- 2015-2016 ASC, Gerbner Post Doc Selection Committee.
- 2014-2017 ASC, Undergraduate Advisory Committee.
- 2014-2015 Penn, Program on Democracy, Citizenship, and Constitutionalism Planning Committee.
- 2013-2014 ASC, Academic Freedom Committee.
- 2013-2014 ASC, IT Committee.