

Katherine Ognyanova

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School of Communication & Information,
Rutgers University, 4 Huntington Street,
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SUMMARY

Researcher and educator exploring the role of social influence in online and offline settings.
Subject expertise: civic and political behavior, social technology, digital & mass communication.
Methodological expertise: computational social science, network science, quantitative methods.

EDUCATION

University of Southern California

Ph.D. in Communication

2013

Dissertation: "Intermedia agenda setting in an era of fragmentation: Applications of network science in the study of mass communication"
Received AEJMC Mass Communication & Society Dissertation Award.

University of Southern California

M.A. in Communication

2010

University of Sofia "St. Kliment Ohridski"

M.A. in Virtual Culture

2006

University of Sofia "St. Kliment Ohridski"

B.Sc. in Computer Science

2003

EMPLOYMENT

School of Communication and Information, Rutgers University

Assistant Professor

2015-Present

Lazer Lab, Northeastern University

Institute for Quantitative Social Science, Harvard University

Postdoctoral Research Fellow

2013-2015

Annenberg School for Communication and Journalism

Instructor, Graduate Assistant

2008-2013

(ANN, Metamorphosis, Center for the Digital Future)

Economedia Publishing Group, Verlagsgruppe Handelsblatt

Journalist, ICT Analyst (Internet governance, telecom regulation)

2000-2007

Visual Editor (Information design, data visualization)

2006-2007

FELLOWSHIPS

Fellow at the FCC with the Consortium on Media Policy Studies	2012
Oxford Internet Institute Summer Doctoral Program, Oxford University	2011
Annenberg Graduate Fellowship, University of Southern California	2007-2012
Academic Excellence Scholarship, University of Sofia "St. Kliment Ohridski"	1999-2002

HONORS & AWARDS

Top 3 Paper Award, Mass Communication Division International Communication Association (ICA)	2019
Dissertation Award, Mass Communication & Society Division Association for Education in Journalism & Mass Communication (AEJMC)	2013
Top Paper, Political Communication Division National Communication Association (NCA)	2012
First place award in Social Science USC GPSS Symposium Research Poster Competition (with Chen, N-T. N., Ball-Rokeach, S. J., & Parks, M.)	2010
IGI Global Excellence in Research Award, IJEP Best Published Journal Article for 2010	2010
Carolyn Dexter Award Nominee, Academy of Management Organizational Communication & Information Systems Division (with Huang, M., Huang, Y., Margolin, D., Shen, C., & Contractor, N.)	2010
USC Annenberg Graduate Fellowship Program, 2009-2013 Annual Research and Creative Project Symposium Award	2009-2013
Annenberg Summer Research Grant, 2008-2011 University of Southern California	2008-2011

PUBLICATIONS

REFEREED ARTICLES

- Liu, W., Chen, N.-T. N., **Ognyanova, K.**, Nah, S., & Ball-Rokeach, S. (2018). Connecting with hyperlocal news website: Cause or effect of civic participation? *American Behavioral Scientist*, 62(8), 1–20.
- Weber, M., **Ognyanova, K.**, & Kosterich, A. (2017). Imitation in the quest to survive: Lessons from news media on the early Web. *International Journal of Communication*, 11, 1-25.
- Katz, V. S., Moran, M. B., & **Ognyanova, K.** (2017). Contextualizing connectivity: How Internet connection type and parental factors influence technology use among lower-income children. *Information, Communication & Society*. Advanced online publication. 1-23.

- Radford, J., Pilny, A., Reichelmann, A., Keegan, B., Foucault-Welles, B., **Ognyanova, K.**, Meleis, W., & Lazer, D. (2016). Volunteer Science: An online laboratory for experiments in social psychology. *Social Psychology Quarterly*, 79(4), 376-396.
- Chen, N.-T. N., **Ognyanova, K.**, Zhang, C., Wang, C., Ball-Rokeach, S. J., & Parks, M. (2015). Causing ripples in local power relations. *Journalism Studies*, 18(6), 710-731.
- Ognyanova, K.**, & Ball-Rokeach, S. J. (2015). Political efficacy on the Internet: A media system dependency approach. *Communication & Information Technologies Annual*, 9, 3-27.
- Ognyanova, K.**, & Monge, P. (2013) A multitheoretical, multilevel, multidimensional network model of the media system: Production, content, and audiences. *Communication Yearbook*, 37, 66-93.
- Ognyanova, K.**, Chen, N.-T. N., Ball-Rokeach, S. J., An, Z., Son, M., Parks, M., & Gerson, D. (2013). Online participation in a community context: Civic engagement and connections to local communication resources. *International Journal of Communication*, 7, 2433-2456.
- Broad, G. M., Ball-Rokeach, S. J., **Ognyanova, K.**, Picasso, T., Stokes, B., & Villanueva, G. (2013). Understanding communication ecologies to bridge communication research and community action. *Journal of Applied Communication Research*, 41(3), 325-345.
- Ognyanova, K.** (2010). News ties: A network study of media-level agenda-setting. *Journal of Social Structure*, 11, JoSS Visualization Symposium 2010.
- Ognyanova, K.** (2010). Talking past each other: Academic and media framing of literacy. *Digital Culture & Education*, 2(1), 44-61.
- Ognyanova, K.** (2010). Careful what you say: Media control in Putin's Russia - Implications for online content. *International Journal of E-Politics*, 1(2), 1-15.
Received IGI Global Excellence in Research Journal Award.

BOOK CHAPTERS

- Ognyanova, K.** (2018). Rebooting mass communication: Using computational and network tools to rebuild media theory. In B. Foucault-Welles & S. Gonzalez-Bailon (Eds.), *The Oxford Handbook of Networked Communication*. Oxford, UK: Oxford University Press.
- Ognyanova, K.**, & Jung, J.-Y. (2018). Digital connections: Tracing the evolving role of technology in local storytelling networks. In Y.-C. Kim, M. Matsaganis, H. A. Wilkin, & J. Y. Jung (Eds.), *The communication ecology of 21st century urban communities* (pp. 146-164). New York, NY: Peter Lang.
- Liu, W., Chen, N.-T. N., & **Ognyanova, K.** (2018). The Alhambra Project: Using communication infrastructure theory to construct and evaluate a community news site. In Y.-C. Kim, M. Matsaganis, H. A. Wilkin, & J. Y. Jung (Eds.), *The communication ecology of 21st century urban communities* (pp. 203-219). New York, NY: Peter Lang.
- Ognyanova, K.** (2017). Multistep flow of communication: Network effects. In P. Roessler, C. Hoffner, & L. van Zoonen (Eds.), *The International Encyclopedia of Media Effects* (pp. 1-10). New York, NY: Wiley-Blackwell.
- Ognyanova, K.** (2016). Researching community information needs. In L. A. Friedland & M. Lloyd (Eds.), *The Communication Crisis in America and How to Fix It* (pp. 31-46). New York, NY: Palgrave Macmillan.
- Ognyanova, K.** (2015). In Putin's Russia, information has you: Media control and Internet censorship in the Russian Federation. In M. Mervio (Ed.), *Management and Participation in the Public Sphere* (pp. 62-79). Hershey, PA: IGI Global.

- Chen, N.-T. N., **Ognyanova, K.**, Zhao, N., Liu, W., Gerson, D., Ball-Rokeach, S., & Parks, M. (2013). Communication and socio-demographic forces shaping civic engagement patterns in a multiethnic city. In P. Moy (Ed.), *Communication and Community* (pp. 207-232). New York, NY: Hampton Press.
- Margolin, D., **Ognyanova, K.**, Huang, M., Huang, Y., & Contractor, N. (2012). Team formation and performance on Nanohub: A network selection challenge in scientific communities. In B. Vedres & M. Scotti (Eds.), *Networks in Social Policy Problems* (pp. 80-100). Cambridge, UK: Cambridge University Press.
- Ognyanova, K.** (2012). Media control in Putin's Russia - Implications for online content. In C. Livermore (Ed.), *E-Politics and Organizational Implications of the Internet: Power, Influence and Social Change* (pp. 61-76). Hershey, PA: IGI Global.
- Ognyanova, K.** (2007). Blog practices: Searching for answers. In *Journalists in theory, journalists in practice* (pp. 157-177). Sofia, Bulgaria: Faculty of Journalism and Mass Communication, Sofia University St. Kliment Ohridski, GorexPress.

PUBLISHED REPORTS

- Friedland, L. A., Napoli, P. M., **Ognyanova, K.**, Weil, C., & Wilson III, E. J. (2012). Review of the literature regarding critical information needs of the American public (pp.1-124). Washington, DC: Federal Communications Commission.
- Cole, J., Suman, M., Schramm, P., Zhou, L., Salvador, A., **Ognyanova, K.**, & Lebo, H. (2012). The World Internet Project: International Report 2012 (pp.1-206). Los Angeles, CA: USC Annenberg School Center for the Digital Future.
- Cole, J., Suman, M., Schramm, P., Zhou, L., Salvador, A., **Ognyanova, K.**, & Lebo, H. (2011). The World Internet Project: International Report 2011 (pp.1-207). Los Angeles, CA: USC Annenberg School Center for the Digital Future.
- Cole, J., Suman, M., Schramm, P., Zhou, L., Salvador, A., **Ognyanova, K.**, & Lebo, H. (2011). The 2011 Digital Future Report. Ten studies 2000-2010: A portrait of Americans on the Internet (pp.1-191). Los Angeles, CA: USC Annenberg School Center for the Digital Future.
- Totin, A., Markov, D., **Ognyanova, K.**, Dimov, M., Georgiev, S., Yalamov, T., Hristov, H., & Tzvetanov, T. (2006). E-Bulgaria 2006 (pp. 1-87). Sofia, Bulgaria: Applied Research and Communications Fund.
- Totin, A., Markov, D., **Ognyanova, K.**, Mirski, K., Sirakov, L., Yordanova, M., Stefanov, R., & Yalamov, T. (2005). E-Bulgaria 2005 (pp. 1-84). Sofia, Bulgaria: Applied Research and Communications Fund.

WORKS IN PROGRESS

- Ognyanova, K.** (R & R). *The social context of media trust: A network influence model.*
- Ognyanova, K.** (Under Review). *Contagious politics: The spread of political knowledge through online and offline social networks.*
- Minozzi, W., Song, H., Lazer, D., Neblo, M. A., & **Ognyanova, K.** (R & R). *The Incidental Pundit: Who Talks Politics with Whom, and Why?*
- Ognyanova, K.** (In preparation). *Network flow of communication: Rethinking a classic paradigm in a new century.*
- Ognyanova, K.** (In preparation) *Networks and tribes: Fact-checking and social corrections of misinformation on Facebook.*

CONFERENCE PRESENTATIONS

- Ognyanova, K.** (2019) *Social choices: The spread of attitudes towards media and politics in online and offline social networks*. International Network for Social Network Analysis (INSNA) Sunbelt Conference, Montreal, CA
- Ognyanova, K.** (2019). *The social context of media trust: A network influence model*. International Communication Association (ICA) Annual Conference, Washington, DC.
Top 3 Paper, Mass Communication Division.
- Bontempo, A., **Ognyanova, K.**, Mikesell, L. (2018) *Therapeutic Affordances of Patient Online Communities*. National Communication Association (NCA) Annual Conference, Salt Lake City, UT.
- Bontempo, A., **Ognyanova, K.**, Mikesell, L. (2018) *High incidence of diagnostic error of endometriosis in Australia, Canada, Ireland, Romania, and the UK*. European Health Psychology Society (EHPS) Annual conference, Galway, Ireland.
- Ognyanova, K.** (2018) *Using Computational and Networked Tools to Rebuild Media Theory*. International Communication Association (ICA) Annual Conference, Prague, Czech Republic.
- Bontempo, A., **Ognyanova, K.**, Mikesell, L. (2018) *Trust in Physicians Predicts Patient Online Community Use in Women with Endometriosis*. Kentucky Conference on Health Communication, Lexington, KY.
- Bontempo, A., **Ognyanova, K.**, Mikesell, L. (2018) *High incidence of diagnostic error of endometriosis in the U.S.*, American Public Health Association (APHA) Annual Conference, San Diego, CA
- Katz, V., Moran, M., & **Ognyanova, K.** (2017). Contextualizing connectivity: How internet quality and parental factors impact lower-income children's technology use. Digital Media & Learning Conference, Irvine, CA
- Ognyanova, K.** (2017) *Challenges and opportunities of computational media research*. Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference, Chicago, IL.
- Ognyanova, K.** (2017) *Trends, tools, and techniques in network visualization for the social sciences*. International Communication Association (ICA), San Diego, CA.
- Lazer, D., **Ognyanova, K.**, Neblo, M., & Minozzi, W. (2017) *Cross-cutting pressures and the emergence of political identity in 2016*. American Political Science Association (APSA) Annual Conference, San Francisco, CA.
- Ognyanova, K.** (2016) *The road to rebuilding media theory: Computational and network approaches to mass communication*. International Communication Association (ICA) Annual Conference, Fukuoka, Japan.
- Ognyanova, K.** (2016) *Promoting transparency and replicability in communication research*. International Communication Association (ICA) Annual Conference, Fukuoka, Japan.
- Liu, W., Chen, N-T., **Ognyanova, K.**, Ball-Rokeach, S., & Parks, M. (2016) *Paths of influence between a hyperlocal news website and civic engagement in a multiethnic community*. International Communication Association (ICA) Annual Conference, Fukuoka, Japan.
- Weber, M., **Ognyanova, K.**, & Kosterich, A. (2016) *Imitation in the quest to adapt: Lessons from news media on the early Web*. National Communication Association (NCA) Annual Conference, Philadelphia, PA.
- Song, H., Minozzi, W., **Ognyanova, K.**, Lazer, D., & Neblo, M. (2016) *Who discusses politics, why, and how?* American Political Science Association (APSA) Annual Conference, Philadelphia, PA.

- Radford, J., Pilny, A., **Ognyanova, K.**, Horgan, L, Wojcik, S., & Lazer, D. (2016) *Gaming for science: A demo of online experiments on VolunteerScience.com*. ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), San Francisco, CA.
- Radford, J., Pilny, A., Reichelmann, A., Keegan, B., Foucault Welles, B., **Ognyanova, K.**, Hoyer, J., Meleis, W., & Lazer, D. (2016). *Volunteer science as an online platform for experiments in organizations*. Academy of Management (AOM) Annual Meeting, Anaheim, CA.
- Song, H., Minozzi, W., Lazer, D., Neblo, M., & **Ognyanova, K.** (2016) *The incidental pundit: Intention and opportunity in political conversation*. Midwest Political Science Association (MPSA) Annual Conference, Chicago, IL.
- Song, H., Minozzi, W., Lazer, D., Neblo, M., & **Ognyanova, K.** (2016) *Differing perspectives on informal political conversation and their implications*. Midwest Political Science Association (MPSA) Annual Conference, Chicago, IL.
- Ognyanova, K.**, Lazer, D., Neblo, M. A., & Minozzi, W. (2015). *Drivers of young adult political identity: the role of peers in political behavior*. Political Networks (POLNET) Annual Conference, Portland, OR.
- Ognyanova, K.** (2015). *The end of mass communication is really just a beginning: Using computational and network approaches to rebuild media theory*. Communication Science in the Digital Age: New Frontiers in Theory and Research Workshop, International Communication Association (ICA) Annual Conference, San Juan, PR.
- Radford, J., Keegan, B., **Ognyanova, K.**, Foucault Welles, B., Hoyer, J., Karbeyaz, C., Meleis, W., & Lazer, D. (2015). *Validating massively open online social experiments with Volunteer Science*. International Communication Association (ICA) Annual Conference, San Juan, PR.
- Ognyanova, K.** (2015) *Online experiments: Methods, opportunities, and challenges*. Panel at the International Communication Association (ICA) Annual Conference, San Juan, PR.
- Lazer, D., Meleis, W., Foucault Welles, B., Riedl, C., Radford, J., Keegan, B., **Ognyanova, K.**, Wojcik, S., Hoyer, J., & Karbeyaz, C. (2015). *Performing massively open online social experiments with Volunteer Science*. Crowdsourcing and Online Behavioral Experiments Workshop (COBE), Portland, OR.
- Keegan, B., **Ognyanova, K.**, Radford, J., Foucault Welles, B., Riedl, C., Hoyer, J., Karbeyaz, C., Meleis, W., & Lazer, D. (2015). *Conducting massively open online social experiments with Volunteer Science*. Society for Industrial and Organizational Psychology (SIOP) Annual Meeting, Philadelphia, PA.
- Radford, J., Keegan, B., Hoyer, J., Karbeyaz, C., **Ognyanova, K.**, Foucault Welles, B., Meleis, W., & Lazer, D. (2015). *Conducting massively open online social experiments with Volunteer Science*. International Conference on Weblogs and Social Media (ICWSM), Oxford, UK.
- Ognyanova, K.**, Lazer, D., Neblo, M., Minozzi, W., & Rubineau, B. (2014). *What you know and who you know: Discussion networks and political knowledge*. Political Networks (POLNET) Annual Conference, Montreal, Canada.
- Ognyanova, K.**, Lazer, D., Neblo, M., Minozzi, W., & Rubineau, B. (2014). *Ties that bind across contexts: personality and the evolution of multiplex networks*. NetSci Annual Conference, Berkeley, CA.
- Lazer, D., **Ognyanova, K.**, Neblo, M., Minozzi, W., & Rubineau, B. (2014). *The social control of political participation: Conflict and contagion as processes (de)mobilizing voting*. Midwest Political Science Association Convention, Chicago, IL.
- Ognyanova, K.** (2014). *Dynamic agenda-convergence networks: Predictors of homogeneity in news content across outlets and sectors*. International Network for Social Network Analysis (INSNA) Sunbelt Conference, St. Petersburg, FL.

- Kimura, J., **Ognyanova, K.**, & Beacom, A. (2014). *Using network analysis of patient referral pathways to guide healthcare utilization management strategy*. International Network for Social Network Analysis (INSNA) Sunbelt Conference, St. Petersburg, FL.
- Weber, M., Lazer, D., **Ognyanova, K.**, & Kosterich, A. (2014). *Utilizing large scale archival Internet data to study organizational interaction*. International Network for Social Network Analysis (INSNA) Sunbelt Conference, St. Petersburg, FL.
- Ognyanova, K.** (2013). Media fragmentation and thematic homogeneity: Predictors of agenda convergence in online and offline news content. National Communication Association (NCA) Annual Conference, Washington, DC.
- Ognyanova, K.** (2013). *Dynamic agenda-convergence networks: Predictors of homogeneity in news content across outlets and sectors*. USC Annenberg Graduate Fellowship Program Research and Creative Project Symposium, Los Angeles, CA.
- Ognyanova, K.** (2012). *Political efficacy on the Internet: A media system dependency approach*. National Communication Association (NCA) Annual Conference, Orlando, FL. Top Paper, Political Communication Division.
- Ognyanova, K.**, Chen, N.-T. N., An, Z., Son, M., Ball-Rokeach, S. J., Parks, M., & Gerson, D. (2012). *Online participation in a community context: Patterns of civic engagement and connections to local communication resources*. International Communication Association (ICA) Annual Conference, Phoenix, AZ.
- Chen, N.-T. N., **Ognyanova, K.**, Zhao, N., Liu, W., Gerson, D., Ball-Rokeach, S. J., & Parks, M. (2012). *Communication and socio-demographic forces shaping civic engagement patterns in a multiethnic neighborhood*. International Communication Association (ICA) Annual Conference, Phoenix, AZ.
- Ognyanova, K.**, & Monge, P. (2012). *A multilevel, multidimensional network model of the media system: Production, content, and audiences*. International Network for Social Network Analysis (INSNA) Sunbelt Conference, Redondo Beach, CA.
- Huang, M., Margolin, D., **Ognyanova, K.**, Huang, Y., & Contractor, N. (2011). *Understanding and enabling network dynamics in virtual communities*. Academy of Management (AOM) Annual Conference, San Antonio, TX.
- Ball-Rokeach, S. J., & **Ognyanova, K.** (2011). *The impact of digital media on political and civic engagement: Do digital media matter?* Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference, St. Louis, MO.
- Ball-Rokeach, S. J., Parks, M., Chen, N.-T. N., **Ognyanova, K.**, Liu, W., & Zhao, N. (2011). *The Alhambra Project: Empowering urban community building through a research-driven local news website*. International Association for Media and Communication Research (IAMCR) Annual Conference, Istanbul, Turkey.
- Ognyanova, K.** (2011) *Actors and links in the media system: Applying a network perspective to the study of media production, content and audience*. International Communication Association (ICA) Annual Conference, Boston, MA.
- Ognyanova, K.** (2011) *Appropriation of news media content: A key mode of online participation*. International Communication Association (ICA) Annual Conference, Boston, MA.
- Huang, M., Huang, Y., Contractor, N., Margolin, D., **Ognyanova, K.**, & Shen, C. (2011). *Social networks in R&D, the public sector, and for entrepreneurship*. Communities & Technologies 2011, Brisbane, Australia.
- Ognyanova, K.**, Chen, N.-T. N., Ball-Rokeach, S. J., & Parks, M. (2011). *Alhambra Source: Enhancing civic engagement in a multiethnic community*. USC GPSS Poster Symposium, Los Angeles, CA. First place award in the Social Science category.

- Ognyanova, K.** (2010). *Media transformations and public opinion: Agenda-setting in a digital age*. National Communication Association (NCA) Annual Conference, San Francisco, CA.
- Ball-Rokeach, S. J., Parks, M., Chen, N-T. N., & **Ognyanova, K.** (2010). *Building new media bridges across ethnicity en route to increased civic engagement*. National Communication Association (NCA) Annual Conference, San Francisco, CA.
- Huang, M., Huang, Y., Margolin, D., **Ognyanova, K.**, Shen, C., & Contractor, N. (2010). *The effects of diversity and repeat collaboration on performance in distributed nanoscientist teams*. Academy of Management (AOM) Annual Conference, Montreal, QC, Canada.
OCIS Carolyn Dexter Award Nominee.
- Ognyanova, K.**, Margolin, D., Shen, C., Huang, M., Huang, Y., & Contractor, N. (2010) *Team assembly and scientific collaboration on NanoHub*. International Network for Social Network Analysis (INSNA) Sunbelt Conference, Riva del Garda, Trento, Italy.
- Huang, M., Huang, Y., Margolin, D., **Ognyanova, K.**, Shen, C., & Contractor, N. (2010). *Size, diversity, & beyond: A mediated model of team composition and performance in "Team Science"*. International Communication Association (ICA) Annual Conference, Singapore.
- Ognyanova, K.** (2010) *Talking past each other: Academic and media framing of literacy*. USC Annenberg Graduate Fellowship Program Research and Creative Project Symposium, Los Angeles, CA.
- Ognyanova, K.** (2009) *Careful what you say: Media control in Putin's Russia – implications for online content*. International Communication Association (ICA) Annual Conference, Chicago, IL.
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INVITED TALKS

- Ognyanova, K.** (2018) *Network analysis and visualization in R*. SatRdays: An R user conference, Washington, DC.
- Ognyanova, K.** (2015) *Visualizing communication: numbers, networks, and the road to open science*. Visualizing Digital Data: Symposium on Digital Culture, Philadelphia, PA.
- Ognyanova, K.** (2013) *Thinking with networks*. Invited talk at the Boston Data Day Skill-a-thon, Boston, MA.
- Ognyanova, K.** (2012) *Critical information needs of the American public*. Invited participant, Research Design Meeting for the Multi-Market Study of Critical Information Needs, Washington, DC: FCC's Office of Communications Business Opportunities.
- Friedland, L. A., Napoli, P. M., **Ognyanova, K.**, Weil, C., & Wilson III, E. J. (2012). *Critical information needs of the American public*. Public presentation, discussion, and briefing for the FCC. Washington, DC: Federal Communications Commission.
- Ognyanova, K.**, Gonzalez, C., & Ball-Rokeach, S. J. (2012). *Defining diversity: A communication ecology approach*. Invited presentation, Redefining Diversity in a Digital Age Forum, Los Angeles, CA.
- Ognyanova, K.** (2011) *Network data representation and visualization, tools and techniques*. Invited presentation, Annenberg Networks Network, Los Angeles, CA.
- Ball-Rokeach, S. J., **Ognyanova, K.**, & Villanueva, G. (2010). *Metamorphosis: Research in action*. Invited presentation, Art Center College of Design, Los Angeles, CA.
- Ognyanova, K.**, Shen, C., & O'Brien, N. (2009) *NanoHub: Longitudinal network analysis*. Invited presentation, VOSS Meeting, Northwestern University, Evanston, IL.

WORKSHOPS

- Ognyanova, K.** (2019) *Advanced network visualization with R*. Workshop at the Political Networks (POLNET) Annual Conference, Durham, NC.
- Ognyanova, K.** (2019) *Network visualization with R*. Workshop at the INSNA Sunbelt International Network Science Conference, Montreal, Canada.
- Ognyanova, K.** (2018) *Network visualization with R*. Workshop at the INSNA North American Network Science Conference, Washington, DC.
- Ognyanova, K.** (2018) *Advanced network visualization with R*. Workshop at the Political Networks (POLNET) Annual Conference, Washington, DC.
- Ognyanova, K.** (2018) *Network analysis with igraph*. Workshop for the Ottawa Graph Meetup Group, Ottawa CA.
- Ognyanova, K.** (2018) *Introduction to R for networks*. Workshop at the School for Communication and Information, Rutgers University, New Brunswick, NJ.
- Ognyanova, K.** (2017) *Networks and network visualization with R*. Workshop at Davidson College, Davidson, NC.
- Ognyanova, K.** (2017) *Advanced network visualization with R*. Workshop at the Political Networks (POLNET) Annual Conference, Columbus, OH.
- Ognyanova, K.** (2017) *Basic and advanced network visualization with R*. Workshop at the INSNA North American Network Science Conference, Washington, DC.
- Ognyanova, K.** (2016) *Network visualization with R*. Workshop at the Political Networks (POLNET) Annual Conference, St. Louis, MO.
- Ognyanova, K.** (2016) *Basic and advanced network visualization with R*. Workshop at the INSNA Sunbelt International Network Science Conference, Newport Beach, CA.
- Ognyanova, K.,** Chu, K-H. (2016) *Basic and advanced network visualization with Gephi*. Workshop at the INSNA Sunbelt International Network Science Conference, Newport Beach, CA.
- Radford, J., **Ognyanova, K.** (2016) *Designing online experiments: Citizen science approaches to research*. Workshop at CSCW, the ACM Conference on Computer Supported Cooperative Work, San Francisco, CA.
- Ognyanova, K.** (2016) *Network analysis with R and igraph*. Workshop at the NetSciX International Network Science Conference, Wroclaw, Poland.
- Ognyanova, K.** (2015) *Static and dynamic network visualization with R*. Workshop at the Political Networks (POLNET) Annual Conference, Portland, OR.
- Ognyanova, K.** (2014) *Network visualization with Gephi*. Workshop at the NULab for Texts, Maps, and Networks, Northeastern University, Boston, MA.

TEACHING

Class instructor

Rutgers University, School of Communication and Information

- 04:192:305 - Introduction to Social Media **2015-2017**
Level: BA. Size: ~30 students. Taught: x3.
Teaching effectiveness (most recent): 4.7/5
- 04:192:354 - Communication and Technology **2016-2019**
Level: BA. Size: ~90 students. Taught: x5.
Teaching effectiveness (most recent): 4.7/5
- 17:194:512 - Mediated Communication **2016-2019**
Level: MA. Size: ~30 students. Taught: x3.
Teaching effectiveness (most recent): 4.5/5
- 17:194:534 - Organizational Communication Networks **2019**
Level: MA. Size: ~15 students. Taught: x1.
Teaching effectiveness (most recent): N/A
- 16:194:633 - Mediated Communication **2018**
Level: PhD. Size: ~5 students. Taught: x1.
Teaching effectiveness (most recent): 5/5

USC Annenberg School of Communication and Journalism

- CMGT 540 - Uses of Communication Research (MA) **2010**

Guest lectures

2010-2019

- COMM 204 - Public Speaking, USC Annenberg (x2)
- COMM 618 - Media Effects, USC Annenberg
- COMM 620 - Research Practice and Social Change, USC Annenberg
- ACOM 378 - Studies in Public Persuasion: Ethnic Media, University at Albany
- HIS 207 - Computational Methods in History, Davidson College
- ANT 291 - Social Networks and Social Media, Davidson College
- 04:189:101 - Honors Seminar, Rutgers University. (x3)
- 04:192:446 - Communication and Social Change, Rutgers University
- 16:194:601 - Communication, Information, and Media, Rutgers University (x2)
- 16:194:605 - Critical Research Methods, Rutgers University.
- 16:194:673 - Organizational Communication Networks, Rutgers University (x2)
- 16:194:675 - Understanding, Designing and Building Social Media, Rutgers University
- 17:610:596 - Community Engagement, Rutgers University.

SERVICE: DEPARTMENT & UNIVERSITY

Rutgers University: Committee Member

- Office of Advanced Research Computing Faculty Advisory Committee (2018-present)
- SC&I Building, Programming, and Design Steering Committee (2018-present)
- University TA/GA grievance committee pool (2017-present)
- SC&I Web Committee (2016-present)
- Data Science and Social Systems working group (2016-2017)
- SC&I Communication Research Committee (2015-2016)
- Communication and Technology job search committee (2016)

Rutgers University: Student mentoring

- Leader: Computational Communication Research Group (2017-present)
- Advisor: Lambda Pi Eta communication honor society (2017-present)
- Qualifying exam committee: A. Kosterich, T. Kristensen, I. Ghosh, S. Mandal, X. Ru
- Dissertation committee: A. Kosterich, I. Shin, T. Kristensen, S. Ghosh, S. Mandal
- Independent study: E. Orr (BA); I. Ghosh, S. Mandal, X. Ru, M. Zhigalina (PhD)

Rutgers University: Panel participation

- Panel moderator: Strategic Communication on the Job Market, OCMC Conference (2018)
- Idea Leader: Rutgers Research Ideation Forum - Data Science (2018)
- Panelist: SC&I Post-Truth Scholarship Incubator (2017)
- Panelist: SC&I PhD Colloquium, Social Media Cluster Panel (2016, 2018)
- Panelist: SC&I PhD Colloquium, Academic Job Search Panel (2016)

Rutgers University: Workshop participation

- Participant: Data for Public Good Workshop, Bloustein School (2018)
- Participant: Innovation Hub Leadership Workshop, RBHS and ORED, (2018)
- Participant: Effective Mentoring Workshop, Program for Early Career Excellence (2018)
- Participant: Diversity, Inclusion, & Equity Workshop, Program for Early Career Excellence (2017)
- Participant: Active Learning Bootcamp, Learning Centers & Digital Classroom Services (2016)

Rutgers University: Other activities

- Member: NetSCI Network Science Lab (2015-present)
- Member: Social Media & Society Cluster (2015-present)
- Member: Rutgers Program for Early Career Excellence (2016-2019)
- Guest talk: Faculty-student salon SC&I Unplugged (2018)
- Reviewer: SC&I Extending Play 3 Conference (2016)

SERVICE: ACADEMIC COMMUNITY

Journal editorial boards

- *Computational Communication Research* (2018-present)

Journal ad-hoc reviewer

- *American Behavioral Scientist* (2015:1, 2017:1)
- *Computational Communication Research* (2019:2)
- *Communication Research* (2015:1, 2016:3, 2017:1, 2018:1, 2019:1)
- *Communication Reports* (2015:1)
- *EPJ Data Science* (2015:2, 2017:1)
- *International Journal of Communication* (2013:1, 2014:1, 2016:1, 2018:2, 2019:1)
- *International Journal of E-Politics* (2010:2)
- *International Journal of Press/Politics* (2016:1)
- *Journal of Children and Media* (2018:1, 2019:1)
- *Journal of Communication* (2012:1, 2016:1, 2019:1)
- *Journal of Computer-Mediated Communication* (2014:1, 2017:1, 2018:1, 2019:1)
- *Journal of Information Technology & Politics* (2018:1)
- *Mass Communication and Society* (2013:2, 2014:4, 2016:1, 2017:1, 2018:2, 2019:2)
- *Nature* (2017:1)
- *New Media and Society* (2015:1)
- *Policy & Internet* (2019:1)
- *Political Communication* (2018:1)
- *Public Opinion Quarterly* (2015:1, 2018:1)
- *Social Network Analysis and Mining* (2017:1, 2018:1)
- *Transactions on Internet Technology (ACM)* (2016:4)

Book chapter reviewer

- *The Oxford Handbook of Networked Communication* (2018)
- *The Oxford Handbook of Political Networks* (2016)

Conference organization

- *International AAAI Conference on Web and Social Media (ICWSM)*
Co-chair: Tutorials (2019)
- *ACM Web Science Conference (WebSci)*
Co-chair: Workshops and Tutorials (2019)
- *American Political Science Association (APSA)*
"Political Ties" Award Committee (2018)
- *VIM: Visions in Methodology*
Selection Committee (2018)
- *International AAAI Conference on Web and Social Media (ICWSM)*
Senior Programming Committee (2016, 2017, 2018)

- *International Conference on Computational Social Science (IC2S2)*
Programming Committee (2017, 2018, 2019)
- *International Conference on Social Informatics (SocInfo)*
Programming committee (2017)
- *World Wide Web Conference (WWW)*
Programming Committee, Theory & Practice of Social Machines (2015)
Programming Committee, Web Science Track (2014, 2015)
- *HICSS: Hawaii International Conference on System Science*
Reviewer (2015)
- *ICA: Annual Convention of the International Communication Association*
Reviewer (2009-2016)
- *NCA: Annual Convention of the National Communication Association*
Reviewer (2009-2016)

MEDIA MENTIONS

- The Political Twitter Bots Will Rage This Election Day
Alba, D. in *WIRED*, November 2016
- Data Scientists Find Consistencies in Donald Trump's Erratic Twitter Strategy
Sanders, S. on *All Things Considered*, *NPR*, August 2016
- The Data Behind Trump's Twitter Takeover
Tsur, O., **Ognyanova, K.**, Lazer, D. in *Politico*, April 2016
- What to expect in the Dem debate? We crunched the last one
Lazer, D., Tsur, O., **Ognyanova, K.**, Kennedy, R. in *Politico*, November 2015
- Debate data reveals it's still the Trump show
Lazer, D., Tsur, O., **Ognyanova, K.**, Kennedy, R. in *Politico*, September 2015
- Trump won the debate - or at least talked the most
Lazer, D., Tsur, O., **Ognyanova, K.**, Kennedy, R. in *Politico*, August 2015
- How Congress sees the world, in charts
Lazer, D., **Ognyanova, K.**, Tsur, O., in *Politico*, June 2015
- What politicians talk about when they talk about coal
Lazer, D., **Ognyanova, K.**, Tsur, O., in *Politico*, May 2015
- Local Facebook groups offer information, entertainment, fighting
Shaw, C. in *The Press of Atlantic City*, Dec 2018.

PROFESSIONAL AFFILIATIONS

- International Communication Association (ICA)
- National Communication Association (NCA)
- International Network for Social Network Analysis (INSNA)
- Political Networks division of American Political Science Association (APSA)
- Association for Education in Journalism and Mass Communication (AEJMC)