

# Brian C. Keegan

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**Research areas** Computational social science; network science; computer-supported cooperative work; computer-mediated communication; social computing; online social networks; peer production; data journalism; human-centered data science; cannabis informatics

**Appointments**

<b>University of Colorado, Boulder</b> <i>Assistant Professor, Department of Information Science</i>	Boulder, Colorado, USA 2016 – present
<b>Harvard Business School</b> <i>Research Associate, HBX</i>	Boston, Massachusetts, USA 2014 – 2016
<b>Northeastern University</b> <i>Post-Doctoral Research Fellow, Lazer Lab</i>	Boston, Massachusetts, USA 2012 – 2014

**Education**

<b>Northwestern University</b> Ph.D., Media, Technology, and Society M.A., Media, Technology, and Society	Evanston, Illinois, USA 2012 2010
<b>Massachusetts Institute of Technology</b> S.B., Science, Technology, and Society S.B., Mechanical Engineering	Cambridge, Massachusetts, USA 2006 2006
<b>Green Valley High School</b> Diploma, International Baccalaureate Program	Henderson, Nevada, USA 2002

**Journal articles and chapters**

- J.11 Keegan, B. (2021) “An Encyclopedia with Breaking News.” In *Wikipedia@20*. MIT Press.
- J.10 Porter, E, Krafft, PM, Keegan, B. (2020) “Visual Narratives and Collective Memory across Peer-Produced Accounts of Contested Sociopolitical Events.” *ACM Transactions on Social Computing*, in-press.
- J.9 Anderson, A, Soden, R, Keegan, B, Palen, L, Anderson, K. (2018) “The Crowd is the Territory: Assessing Quality in Peer-Produced Spatial Data During Disasters.” *International Journal of Human-Computer Interaction*, 34(4): 295–310.
- J.8 Radford, J, Pilny, A, Reichelmann, A, Keegan, B, Foucault Welles, B, Hoye, J, Ognyanova, K, Lazer, D. (2016) “Volunteer Science: An Online Laboratory for Experiments in Social Psychology.” *Social Psychology Quarterly*, 79(4): 376–396.
- J.7 Margolin, D, Goodman, S, Keegan, B, Lin, YR, Lazer, D. (2015) “Wiki-Worthy: Judging a Candidate’s Notability in the Community.” *Information, Communication and Society*, 19(8): 1029–1045.
- J.6 Kennedy, R, Forbush, E, Keegan, B, Lazer, D. (2015) “Turning Introductory Comparative Politics and Elections Courses into Social Science Research Communities Using Wikipedia: Improving Both Teaching and Research.” *PS: Political Science and Politics*, 48(2): 378–384.

- J.5 **Keegan, B.** (2015). “Emergent Social Roles in Wikipedia’s Breaking News Collaborations.” In *Roles, Trust, and Reputation in Social Media Knowledge Markets* (pp. 57–79). Springer.
- J.4 Lin, YR, **Keegan, B**, Margolin, D, Lazer, D. (2014) “Rising tides or rising stars? Dynamics of shared attention on Twitter during media events.” *PLoS ONE*.
- J.3 **Keegan, B**, Gergle, D, Contractor, N. (2013) “Hot off the Wiki: Structures and Dynamics of Wikipedia’s Coverage of Breaking News Events.” *American Behavioral Scientist*, 57(5): 595–622.
- J.2 Contractor, N, DeChurch, LA, Carson, J, Carter, DR, **Keegan, B.** (2012) “The Topology of Collective Leadership.” *The Leadership Quarterly*, 23: 994–1011.
- J.1 Williams, D, Castronova, E, Huang, Y, Shen, C, **Keegan, B**, Ratan, R, Xiong, L. (2009) “As real as real? Macroeconomic behavior in a large-scale virtual world.” *New Media & Society*, 11: 685–707.

**Archival scientific proceedings**

- P.25 Frey, S, Krafft, P, **Keegan, B** (2019). “This Place Does What It Was Built For’: Digital Institution Design as a Resource Management Challenge.” In *Proceedings of the 2019 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, Austin, TX, USA. **Honorable Mention, Best Paper.**
- P.24 **Keegan, B** (2019). “The Dynamics of Peer-Produced Political Information During the 2016 U.S. Presidential Campaign.” In *Proceedings of the 2019 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, Austin, TX, USA.
- P.23 Flores-Saviaga, C, Savage, S, **Keegan, B** (2018). “Mobilizing the Trump Train: Understanding Collective Action in a Political Trolling Community.” In *Proceedings of the 2018 AAAI International Conference on Web and Social Media (ICWSM)*, Stanford, CA, USA.
- P.22 **Keegan, B**, Fiesler, C (2017). “The Evolution and Consequences of Peer Producing Wikipedia’s Rules.” In *Proceedings of the 2017 AAAI International Conference on Web and Social Media (ICWSM)*, Montréal, QC, Canada.
- P.21 Twyman, M, **Keegan, B**, Shaw, A (2017). “Black Lives Matter in Wikipedia: Collaboration and Collective Memory around Online Social Movements.” In *Proceedings of the 2017 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, Portland, OR, USA.
- P.20 Leavitt, A, **Keegan, B**, Clark, J (2016). “Ping to Win? Non-Verbal Communication and Team Performance in Competitive Online Multiplayer Games.” In *Proceedings of the 2016 ACM Conference on Human-Computer Interaction (CHI)*, San Jose, CA, USA.
- P.19 Kim, JY, **Keegan, B**, Park, SJ, Oh, A (2016). “The Proficiency-Congruency Dilemma: Virtual Team Design and Performance in Multiplayer Online Games.” In *Proceedings of the 2016 ACM Conference on Human-Computer Interaction (CHI)*, San Jose, CA, USA.
- P.18 **Keegan, B**, Lev, S, Arazy, O (2016). “Analyzing Organizational Routines in Online Knowledge Collaborations: A Case for Sequence Analysis in CSCW.” In *Proceedings of the 2016 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, San Francisco, CA, USA.
- P.17 Kim, JW, Kim, D, **Keegan, B**, Kim, JH, Kim, S, Oh, A (2015). “Social Media Dynamics of Global Co-presence During the 2014 FIFA World Cup.” In *Proceedings of the 2015 ACM Conference on Human-Computer Interaction (CHI)*, Seoul, Korea.
- P.16 **Keegan, B**, Brubaker, J (2015). “Is’ to ‘Was’: Coordination and Commemoration on Posthumous Wikipedia Biographies.” In *Proceedings of the 2015 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, Vancouver, Canada. **Honorable Mention, Best Paper.**

- P.15 Hannak, A, Margolin, D, **Keegan, B**, Weber, I (2014). "Get Back! You Don't Know Me Like That: The Social Mediation of Fact Checking Interventions in Twitter Conversations." In *Proceedings of the Eighth International AAAI Conference on Weblogs and Social Media (ICWSM)*, Ann Arbor, MI, USA.
- P.14 **Keegan, B**, Ceni, A, Smith, M (2013). "Analyzing Multi-Dimensional Networks within MediaWikis." In *Proceedings of the Ninth International Symposium on Wikis and Open Collaboration (WikiSym)*, Hong Kong, China.
- P.13 **Keegan, B** (2013). "A History of Newswork on Wikipedia." In *Proceedings of the Ninth International Symposium on Wikis and Open Collaboration (WikiSym)*, Hong Kong, China.
- P.12 Lin, YR, Margolin, D, **Keegan, B**, Baronchelli, A, Lazer, D (2013). "#Bigbirds Never Die: Understanding Social Dynamics of Emergent Hashtags." In *Proceedings of the Seventh International AAAI Conference on Weblogs and Social Media (ICWSM)*, Boston, MA, USA.
- P.11 Lin, YR, Margolin, D, **Keegan, B**, Lazer, D (2013). "Voices of Victory: A Computational Focus Group Framework for Tracking Opinion Shift in Real Time." In *Proceedings of the 22nd International World Wide Web Conference (WWW)*, Rio de Janeiro, Brazil.
- P.10 **Keegan, B**, Gergle, D, Contractor, N (2012). "Staying in the Loop: Structure and Dynamics of Wikipedia's Breaking News Collaborations." In *Proceedings of the Eighth International Symposium on Wikis and Open Collaboration (WikiSym)*, Linz, Austria.
- P.9 **Keegan, B**, Gergle, D, Contractor, N (2012). "Do Editors or Articles Drive Collaboration? Multilevel Statistical Network Analysis of Wikipedia Coauthorship." In *Proceedings of the 2012 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, Seattle, WA, USA.
- P.8 Ahmad, MA, **Keegan, B**, Sullivan, S, Williams, D, Srivastava, J, Contractor, N (2011). "Illicit Bits: Detecting and Analyzing Contraband Networks in Massively Multiplayer Online Games." In *Proceedings of the Third IEEE Conference on Social Computing (SocialCom)*, Boston, MA, USA.
- P.7 **Keegan, B**, Gergle, D, Contractor, N (2011). "Hot off the Wiki: Dynamics, Practices, and Structures in Wikipedia's Coverage of the Tohoku Catastrophes." In *Proceedings of the Seventh International Symposium on Wikis and Open Collaboration (WikiSym)*, Mountain View, CA, USA.
- P.6 **Keegan, B**, Ahmad, MA, Williams, D, Srivastava, J, Contractor, N (2011). "Sic Transit Gloria Mundi Virtuali? Promise and Peril at the Intersection of Computational Social Science and Online Clandestine Organizations." In *Proceedings of the Third International ACM Conference on Web Science (WebSci)*, Koblenz, Germany. **Best Paper.**
- P.5 Ahmad, MA, **Keegan, B**, Srivastava, J, Williams, D, Contractor, N (2011). "Trust Amongst Rogues? A Hypergraph Approach for Comparing Clandestine Trust Networks in MMOGs." In *Proceedings of the Fifth International AAAI Conference on Weblogs and Social Media (ICWSM)*, Barcelona, Spain.
- P.4 **Keegan, B**, Ahmad, MA, Williams, D, Srivastava, J, Contractor, N (2010). "Dark Gold: Statistical Properties of Clandestine Networks in Massively Multiplayer Online Games." In *Proceedings of the Second IEEE Conference on Social Computing (SocialCom)*, Minneapolis, MN, USA.
- P.3 **Keegan, B**, Gergle, D (2010). "Egalitarians at the Gate: One-Sided Gatekeeping Practices in Participatory Social Media." In *Proceedings of the 2010 ACM Conference on Computer-Supported Collaborative Work (CSCW)*, Savannah, GA, USA. **Honorable Mention, Best Note.**
- P.2 Ahmad, MA, **Keegan, B**, Srivastava, J, Williams, D, Contractor, N (2009). "Mining for Gold Farmers: Automatic Detection of Deviant Players in MMOGs." In *Proceedings of the First IEEE Conference on Social Computing (SocialCom)*, Vancouver, Canada.

- P.1 Huang, Y, Zhu, M, Wang, J, Pathak, N, Shen, C, **Keegan, B**, Contractor, N (2009). “The Formation of Task-oriented Groups.” In *Proceedings of the First IEEE Conference on Social Computing (SocialCom)*, Vancouver, Canada.

**Conference presentations**

- C.31 **Keegan, B.** (2018) “The Dynamics of Peer-Produced Information During the 2016 U.S. Presidential Campaign.” In *Proceedings of the 2018 AAAI International Conference on Web and Social Media (ICWSM)*, Stanford, CA, USA.
- C.30 Fiesler, C, Beard, N, **Keegan, B.** (2018) “No Robots, Spiders, or Scrapers: Regulation of Data Collection Methods in Social Media Terms of Service.” In *Proceedings of the 2018 AAAI International Conference on Web and Social Media (ICWSM)*, Stanford, CA, USA.
- C.29 Porter, E, **Keegan, B.** “Visual Rhetoric and Collective Memory across Peer-Produced Accounts of Political Crises.” 2018 International Conference on Computational Social Science (IC2S2). Evanston, IL, USA.
- C.28 **Keegan, B.** “The Dynamics of Peer-Produced Political Information During the 2016 U.S. Presidential Campaign.” 2018 International Conference on Computational Social Science (IC2S2). Evanston, IL, USA.
- C.27 **Keegan, B.** “A Research Agenda for Cannabis Informatics.” 2018 Institute for Cannabis Research (ICR) Conference. Pueblo, CO, USA.
- C.26 **Keegan, B.** “The Evolution and Consequences of Peer Producing Wikipedia’s Rules.” 2017 International Conference on Computational Social Science (IC2S2). Köln, Germany.
- C.25 Twyman, M, **Keegan, B.**, Shaw, A. (2017) “Black Lives Matter in Wikipedia: Collaboration and Collective Memory around Online Social Movements.” 2017 International Conference on Computational Social Science (IC2S2). Köln, Germany.
- C.24 **Keegan, B.** (2017) “The Structure of Sequences: Mining and Interpreting Networks from Event Log Data.” Sunbelt XXXVII. International Network for Social Network Analysis. Beijing, China.
- C.23 Zhang, A, **Keegan, B.** (2017) “Exploration and Exploitation of Team Assembly Strategies in a MOBA.” Sunbelt XXXVII. International Network for Social Network Analysis. Beijing, China.
- C.22 **Keegan, B.** (2016) “The Structure of Sequences: Mining and Interpreting Networks from Event Log Data.” 2016 International Conference on Computational Social Science (IC2S2). Evanston, IL, USA.
- C.21 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.” 2015 International Conference on Web and Social Media (ICWSM), Social Science non-archival track. Oxford, UK.
- C.20 Lin, YR, **Keegan, B.** Margolin, D, Lazer, D. (2014) “Did You See That? Shared Attention to Media Events on Twitter.” 2014 International Communication Association Annual Conference (ICA). Seattle, WA, USA.
- C.19 **Keegan, B.** (2014) “Sociotechnical Trajectories: A Structural Framework for Analyzing Event Log Data.” 2014 International Communication Association Annual Conference (ICA). Seattle, WA, USA.
- C.18 **Keegan, B.** Tsur, O, Kennedy, R, Lazer, D. (2013) “Mining Complex Networks from Official Congressional Biographies.” Fifth Workshop on Information in Networks (WIN). New York City, NY, USA.
- C.17 **Keegan, B.** Riedl, C, Lazer, D, Contractor, N. (2013) “Multidimensional Networks in Crowdsourced Creative Collaboration.” Fifth Workshop on Information in Networks (WIN). New York City, NY, USA.

- C.16 **Keegan, B**, Goodman, S, Kennedy, R, Lazer, D. (2013) “Building the Iron Cage: The Evolution of Multidimensional Networks in the U.S. Congress (1776–2013) and Catholic Hierarchy (1774–2013).” 2013 International Workshop and Conference on Network Science (NetSci). Copenhagen, Denmark.
- C.15 Goodman, S, Margolin, D, **Keegan, B**, Lin, YR, Lazer, D. (2013) “Open Source Predictors of Electoral Success.” 2013 American Political Science Association Annual Meeting (APSA). Chicago, IL, USA.
- C.14 Goodman, S, Margolin, D, **Keegan, B**, Lin, YR, Lazer, D. (2013) “Big Data as Big Canaries: Comparison of Open Source Indicators of Electoral Success.” 71st Annual Conference of the Midwest Political Science Association (MPSA). Chicago, IL, USA.
- C.13 **Keegan, B**, Lin, YR, Lazer, D. (2013) “Ripples on the Web: Diffusion of Activity Bursts Across Hyperlink Networks in Wikipedia.” Sunbelt XXXIII, International Network for Social Network Analysis. Hamburg, Germany.
- C.12 Lin, YR, Margolin, D, **Keegan, B**, Lazer, D. (2013) “#Bigbirds Never Die: The Formation of Consensus in Response to Novel Information.” Sunbelt XXXIII, International Network for Social Network Analysis. Hamburg, Germany.
- C.11 Margolin, D, **Keegan, B**, Lazer, D. (2013) “Wisdom of the Network: Reducing Correlated Errors through Inferred Diffusion.” Sunbelt XXXIII, International Network for Social Network Analysis. Hamburg, Germany.
- C.10 **Keegan, B**, Karbeyaz, C, Meleis, W, Lazer, D. (2013) “Volunteer Science: Online Behavioral Experiments Using Facebook as a Subject Pool.” Sunbelt XXXIII, International Network for Social Network Analysis. Hamburg, Germany.
- C.9 **Keegan, B**. (2012) “Comparative Analysis of Coauthorship Networks on Wikipedia Breaking News Articles.” Sunbelt XXXII, International Network for Social Network Analysis. Redondo Beach, CA, USA.
- C.8 Chang, C, **Keegan, B**, Bennett, N, Lungeanu, A, Gilborne, J, Contractor, N. (2012) “Multidimensional Networks in Crowdsourced Collaboration.” Sunbelt XXXII, International Network for Social Network Analysis. Redondo Beach, CA, USA.
- C.7 **Keegan, B**. (2011) “Breaking News, Breaking Planes, and Breaking Hearts: Psycholinguistic Dynamics and Sensemaking in Collaborative Accounts of Catastrophe.” 2011 International Communication Association Annual Conference (ICA). Boston, MA, USA. *Best Student Paper, Communication and Technology division.*
- C.6 **Keegan, B**, Ahmad, MA, Williams, D, Srivastava, J, Contractor, N. (2011) “Mapping Gold Farming Back to Offline Clandestine Organizations: Methodological, Theoretical, and Ethical Challenges.” The Game Behind the Video Game: Business, Regulation, and Society in the Gaming Industry. Rutgers University, New Brunswick, NJ, USA. *Best Paper.*
- C.5 **Keegan, B**, Gergle, D, Contractor, N. (2011) “A Multi-theoretical, Multi-level Model of High Tempo Collaboration in an Online Community.” Sunbelt XXXI, International Network for Social Network Analysis. St. Petersburg, FL, USA
- C.4 **Keegan, B**, Ahmad, M, Williams, D, Srivastava, J, Contractor, N. (2011) “Using ERGMs to Map Online Clandestine Behavior to Offline Criminal Activity.” Sunbelt XXXI, International Network for Social Network Analysis. St. Petersburg, FL, USA.
- C.3 Williams, D, Castronova, E, Huang, Y, Shen, C, **Keegan, B**, Ratan, R, Xiong, L, Contractor, N. (2009) “As real as real? Macroeconomic behavior in a large-scale virtual world.” 2009 International Communication Association Annual Conference (ICA). Chicago, IL, USA.

- C.2 **Keegan, B.** (2009) “Are Wikipedians Really Gamers? A ludological perspective on the motivational literature and implications for designing participatory environments.” Internet Research 10.0, Association of Internet Researchers (AoIR). Milwaukee, WI, USA.
- C.1 Fullerton, L, **Keegan, B**, Menchen-Trevino, E. (2009) “Institutionalizing notability on Wikipedia: process, policy and change.” Internet Research 10.0, Association of Internet Researchers (AoIR). Milwaukee, WI, USA.

**Workshops,  
panels,  
posters,  
consortia**

- W.21 **Keegan, B**, Dioun, C, Fata, E, Lewandowski, B, Seaborn, P (2019). “Data Analytics in the Cannabis Industry.” Institute for Cannabis Research 2019. Pueblo, CO, USA.
- W.20 **Keegan, B** (2018). Quantitative Research Methods seminar. Interdisciplinary Training in the Social Sciences, Colleges of Arts and Sciences, University of Colorado Boulder, Boulder, CO, USA.
- W.19 **Keegan, B**, Morgan, A (2018). Summer Institute for Computational Social Science. Boulder, CO, USA.
- W.18 **Keegan, B**, Vergara, D (2018). Monthly Colloquium on Cannabis Research. Center for Research and Education Addressing Cannabis and Health, University of Colorado. Boulder, CO, USA.
- W.17 **Keegan, B**, Kaye, J, Cavazos-Rehg, P, de Choudhury, M, Nguyen, AN, Paul, MJ, Savage, S (2017). “CHI-nnabis: Implications of Marijuana Legalization for and from Human-Computer Interaction.” In *Proceedings of 2017 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Denver, CO, USA.
- W.16 **Keegan, B**, Matias, JN (2016). “Actually, It’s About Ethics in Computational Social Science: A Multi-party Risk-Benefit Framework for Online Community Research.” AAAI Spring Symposium on Observational Studies through Social Media and Other Human-Generated Content. Stanford, CA, USA.
- W.15 Schillebeeckx, SJD, Grosman, A, Parmar, R, Miller, S, Haesler, J, Chow, G, **Keegan, B**, Koutroumpis, P, Wattal, S (2015). “Big Data in Universities: Building New Capabilities for Education, Research, and Practice.” Professional Development Workshop, 2015 Academy of Management Annual Meeting. Vancouver, BC, Canada.
- W.14 Hughes, A, **Keegan, B**, Leavitt, A, Semaan, B, Starbird, K (2015). “Cross-Platform Research Agenda for Crisis Informatics.” 2015 Consortium for the Science of Sociotechnical Systems (CSST) Summer Research Institute. Colorado Springs, CO, USA.
- W.13 **Keegan, B** (2015). “Research in the Time of Technopanics.” Workshop on Ethics for Studying Sociotechnical Systems in a Big Data World. In *Proceedings of the 2015 ACM Conference on Computer-Supported Cooperative Work (CSCW)*. Vancouver, BC, Canada.
- W.12 Counts, S, de Choudhury, M, Diesner, J, Gilbert, E, **Keegan, B**, Naaman, M, Wallach, H (2014). “Computational Social Science: CSCW in the Social Media Era.” In *Proceedings of the 2014 ACM Conference on Computer-Supported Cooperative Work (CSCW)*. Baltimore, MD, USA.
- W.11 **Keegan, B** (2013). Digital Societies and Social Technologies Summer Institute, University of Maryland. College Park, MD, USA.
- W.10 Halfaker, A, Geiger, RS, Terveen, L, Lampe, C, Bruckman, A, Fitzpatrick, G, Kittur, A, **Keegan, B** (2013). “Community, Impact, and Credit: Where Should I Submit My Papers?” In *Proceedings of 2013 ACM Conference on Computer-Supported Cooperative Work (CSCW)*. San Antonio, TX, USA.
- W.9 Lin, YR, Margolin, D, **Keegan, B**, Martino, M, Goodman, S, Lazer, D (2013). “Catching Fish in the Stream: Real Time Analysis of Audience Behavior in Social Media.” In *Proceedings of 2013 ACM Conference on Computer-Supported Cooperative Work (CSCW)*. San Antonio, TX, USA.

- W.8 Halfaker, A, **Keegan, B**, Forte, A, Geiger, RS, Taraborelli, D, Pinchuk, M, Masli, M (2012). “What Aren’t We Measuring?: Methoding for Quantifying Wiki-Work.” In *Proceedings of Eighth International Symposium on Wikis and Open Collaboration (WikiSym)*, Linz, Austria.
- W.7 Bernstein, M, Conover, M, Geiger, RS, Hill, BM, **Keegan, B**, Monroy-Hernandez, A, Shaw, A, Yardi, S, Bruckman, A (2012). “Fail Whaling: Designing from Deviance and Failures in Social Computing.” In *Proceedings of 2012 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Austin, TX, USA.
- W.6 **Keegan, B** (2012). “Breaking News on Wikipedia: Dynamics, Structures, and Roles in High-Tempo Collaboration.” Doctoral Consortium, In *Proceedings of 2012 ACM Conference on Computer-Supported Cooperative Work (CSCW)*, Seattle, WA, USA.
- W.5 **Keegan, B** (2012). “Breaking News on Wikipedia: Dynamics, Structures, and Roles in High-Tempo Collaboration.” Doctoral Consortium, In *Proceedings of the 2012 iConference*, Toronto, Canada.
- W.4 **Keegan, B**, Ahmad, MA, Sullivan, S, Williams, D, Srivastava, J, Contractor, NS (2011). “Untangling Dark Webs: Theories, Methods, and Models for a Computational Social Science of Clandestine Networks.” In *Proceedings of Third IEEE International Conference on Social Computing*, Boston, MA, USA.
- W.3 **Keegan, B** (2011). “Breaking News on Wikipedia: Dynamics, Structures, and Practices of High-Tempo Collaboration.” Doctoral Symposium, In *Proceedings of the Seventh International Symposium on Wikis and Open Collaboration*, Mountain View, CA, USA.
- W.2 **Keegan, B** (2011). “Breaking News on Wikipedia: Dynamics, Structures, and Practices of High-Tempo Self-Organized Collaboration.” 2011 Social Computational Systems Workshop, Minneapolis, MN, USA.
- W.1 Ettema, J, Fullerton, L, **Keegan, B**, Menchen-Trevino, E, Sandvig, C (2009). “Listening for the Wisdom of Crowds: New Media and New Forms of Knowledge.” 2009 International Communication Association, Chicago, IL, USA.

**Invited talks  
and lectures**

- 2017 Citizen and Elite Activity on Wikipedia, Hertie School of Governance  
Peer Production Engagement Patterns, New York University  
Gendered Creative Teams Workshop, Central European University  
Department of Computer Science, KAIST  
Neukom Institute, Dartmouth College
- 2016 Symposium on Technology-based Cooperation, Leibniz-Institute für Wissensmedien  
Department of Communication, University of California, Davis  
Neukom Institute, Dartmouth College  
Information Sciences Institute, University of Southern California
- 2015 Department of Data Science and Operations, USC Marshall School of Business  
Department of Human-Centered Design and Engineering, University of Washington  
Workshop on Wikipedia Research, AAAI ICWSM  
Computational Social Science Summit, Northwestern University
- 2014 Human-Computer Interaction Institute, Carnegie Mellon University  
Informatics Institute, University of Missouri, Columbia  
Interdisciplinary Committee on Organizational Studies, University of Michigan  
Computational Approaches to Social Modeling, ACM Web Science Conference

Northeast Political Methodology Workshop, New York University  
Center for Research on Computation and Society, Harvard University

2013 Symposium on User Behavior and Content Generation, ZEW Mannheim  
Microsoft Research

**Awards  
and funding**

2019 Chenhao Tan, co-PI. "CHS: Small: A Genealogical Framework to Understand the Emergence of Online Groups." NSF CISE Cyber-Human Systems (\$499,724).  
"Multiplayer Online Battle Arenas as Models of High-Tempo Virtual Teams." Oracle for Research Cloud Credits (\$25,000).

2018 "EAGER: Social Dynamics of Organizational Behavior in Temporary Virtual Teams." NSF CISE Cyber-Human Systems (\$199,864).

2017 "Prosopographical data mining for analyzing multiple network among members of U.S. Congress since 1789." CU Boulder RIO Innovative Seed Grant Program (\$49,603).  
"Multiplayer Online Games as Models of Organizational Behavior." Microsoft Azure Research Award (\$20,000).

**Academic  
and  
professional  
honors**

2019 Honorary Mention, Best Paper; ACM CSCW  
Invited Participant; Microsoft Research Faculty Summit

2015 Honorary Mention, Best Paper; ACM CSCW  
Invited Participant; Microsoft Research Social Computing Symposium

2014 Invited Participant; Microsoft Research Social Computing Symposium

2011 Best Paper; ACM Conference on Web Science  
Best Paper; The Game Behind the Video Game  
Best Student Paper; Communication and Technology Division, ICA

2010 Honorary Mention, Best Paper; ACM CSCW

2005 John Burchard Scholar; MIT School of Humanities, Arts, and Social Sciences

2001 National Merit Finalist

**Teaching**

2019 INFO 3402: Information Exposition  
ARSC 5040: Web Data Scraping

2018 INFO 2201: Computational Reasoning 2  
INFO 3501/5501: Peer Production and Crowdsourcing  
INFO 3402: Information Exposition

2017 INFO 2201: Computational Reasoning 2

2016 INFO 3501/5501: Peer Production and Crowdsourcing



Press  
coverage

- 2017 Gonzalez, R. "The New LinkedIn Looks Just Like Facebook. Smart Move." *WIRED*. January 20, 2017. <https://www.wired.com/2017/01/new-linkedin-looks-just-like-facebook-smart-move/>
- 2015 Rogers, A. "Google's Search Algorithm Could Steal the Presidency." *WIRED*. August 6, 2015. <http://www.wired.com/2015/08/googles-search-algorithm-steal-presidency/>
- Paquette, D. "Not even a third of speaking roles in popular movies go to women." *The Washington Post*. August 6, 2015. <http://www.washingtonpost.com/news/wonkblog/wp/2015/08/06/not-even-a-third-of-speaking-roles-in-popular-movies-go-to-women/>
- 2014 Kerr, J. "The Network of L.L. Bean Fall Home Catalogue Colors." *Gawker The New England*. August 7, 2014. <http://newenglandah.kinja.com/the-network-of-l-l-bean-fall-home-catalogue-colors-1617506910>
- Hickey, W. "The Bechdel Test: Checking Our Work." *FiveThirtyEight DataLab*. April 8, 2014. <http://fivethirtyeight.com/datalab/the-bechdel-test-checking-our-work/>
- 2013 Weissman, D. "The NSA's virtual spies in 'World of Warcraft' – on a fool's mission?" *National Public Radio Marketplace*. December 10, 2013. <http://www.marketplace.org/topics/tech/nsa%E2%80%99s-virtual-spies-world-warcraft-fool%E2%80%99s-mission>
- Cherry, S. "Is Wikipedia a Real-Time News Source?" *IEEE Spectrum*. February 5, 2013. <http://spectrum.ieee.org/podcast/telecom/internet/is-wikipedia-a-realtime-news-source>
- 2012 Zuckerman, E. "How Wikipedia Edits Tragedies." *The Atlantic Wire*. December 19, 2012. <http://www.theatlanticwire.com/national/2012/12/how-wikipedia-edits-tragedies/60174/>
- Sampson, T. "How Wikipedia responds to mass shootings." *The Daily Dot*. December 19, 2012. <http://www.dailydot.com/news/wikipedia-edit-history-mass-shootings/>
- Ingram, M. "What Wikipedia can tell us about the future of news." *Gigaom.com*. December 19, 2012. <http://gigaom.com/2012/12/19/what-wikipedia-can-tell-us-about-the-future-of-news/>
- Keegan, B.** "How does Wikipedia deal with a mass shooting? A frenzied start gives way to a few core editors." *Nieman Journalism Lab, Harvard University*. December 18, 2012. <http://www.niemanlab.org/2012/12/how-does-wikipedia-deal-with-a-mass-shooting-a-frenzied-start-gives-way-to-a-few-core-editors/>
- 2011 Ford, H. "Wikipedia Isn't Journalism, But Are Wikipedians Reluctant Journalists?" *PBS Idea Lab*. October 20, 2011. <http://www.pbs.org/idealab/2011/10/wikipedia-isnt-journalism-but-are-wikipedians-reluctant-journalists290/>
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<b>Memberships</b>	International Network for Social Network Analysis (INSNA)	2009 – present
	Association for Computing Machinery (ACM)	2008 – present
	International Communication Association (ICA)	2007 – present
<b>Professional service</b>	2019 Associate Chair, Program Committee; ACM CSCW	
	Senior Program Committee; AAAI ICWSM	
	Program Committee, International Conference on Computational Social Science (IC2S2)	
	2018 Workshops Co-Chair; ACM CSCW	
	Associate Chair, Program Committee; ACM CSCW	
	Associate Chair, Program Committee; ACM CHI	
	Senior Program Committee; AAAI ICWSM	
	Program Committee; International Conference on the World Wide Web (WWW)	
	Program Committee, International Conference on Computational Social Science (IC2S2)	
	2017 Associate Chair, Program Committee; ACM CSCW	
	Program Co-Chair, International Conference on Computational Social Science (IC2S2)	
	Associate Chair, Program Committee; ACM CHI	
	Senior Program Committee; AAAI ICWSM	
	Workshops Co-Chair; AAAI ICWSM	
	Program Committee; International Conference on the World Wide Web (WWW)	
	Program Committee; International Conference on Network Science (NetSci)	
	Program Committee; Conference on Complex Systems (CCS)	
	2016 Associate Chair, Program Committee; ACM CSCW	
	Associate Chair, Program Committee; ACM CHI	
	Senior Program Committee; AAAI ICWSM	
	Publicity Co-Chair; International Conference on Social Informatics	
	Program Committee; International Conference on the World Wide Web (WWW)	
	Program Committee; International Conference on Social Informatics (SocInfo)	
	Program Committee; International Conference on Computational Social Science (IC2S2)	
	Program Committee; International Symposium on Open Collaboration (OpenSym)	
	Program Committee; AAAI Symposium on Observational Studies through Social Media	
	Program Committee; SocInfo Workshop on Online Experimentation with Large Samples	
	Program Committee; Workshop on Computational Approaches to Social Modeling	
	Program Committee; Collaborative Internet Computing for Disaster Management	
	Program Committee; WWW Workshop on Crowdsourcing and Online Experiments	
	Program Committee; Workshop on NLP and CSS	
	2015 Senior Program Committee; AAAI ICWSM	
	Publicity Co-Chair; ACM CSCW	
	Program Committee; International Conference on Social Informatics (SocInfo)	
	Program Committee; International Conference on the World Wide Web (WWW)	
	Program Committee; International Conference on Computational Social Science (IC2S2)	
	2014 Senior Program Committee; AAAI ICWSM	
	Publicity Co-Chair; AAAI ICWSM	

Program Committee; International Conference on Social Informatics (SocInfo)  
 Program Committee; International Symposium on Open Collaboration (OpenSym)  
 Program Committee; Workshop on Collaborative Big Data  
 Program Committee; Workshop on Computational Approaches to Social Modeling  
 Program Committee; CCS Workshop on Computational Social Science  
 Program Committee; Workshop on Interaction and Exchange in Social Media

2013 Student Volunteer Co-Chair; ACM CSCW  
 Steering Committee; ACM CSCW  
 Program Committee; AAI ICWSM  
 Program Committee; International Symposium on Open Collaboration (OpenSym)

2012 Student Volunteer; ACM CSCW  
 Steering Committee; ACM CSCW  
 Program Committee; AAI ICWSM

2010 Student Volunteer; ACM CSCW

2009 Student Volunteer; ACM CHI

**Reviewing  
 experience**

*ACM Computer-Supported Cooperative Work (CSCW)*  
*ACM Human Factors in Computing Systems (CHI)*  
*AAAI Weblogs and Social Media (ICWSM)*  
*ACM Conference on Supporting Groupwork (GROUP)*  
*International Conference on Social Informatics (SocInfo)*  
*International Conference on Computational Social Science (IC2S2)*  
*Social Science Computing Review*  
*EPJ Data Science*  
*PLoS ONE*  
*New Media and Society*  
*Social Media and Society*  
*Journal of Computer-Mediated Communication*  
*Journalism*

**Professional  
 non-academic  
 experience**

<b>Colvin Run Networks</b>	Arlington, Virginia
<i>Consultant</i>	2019 – present
Technical advise on building cloud-based data analytics capabilities for federal contracts.	
<b>Center for Media, Data and Society</b>	Budapest, Hungary
<i>External consultant</i>	2015 – 2016
Network analysis and visualization of media ownership structure in Hungary.	
<b>Science and Technology Policy Institute</b>	Washington, D.C.
<i>External consultant</i>	2011
Statistical analysis of grant coauthorship network for major research funding agency.	

**Ninja Metrics**

*Affiliated researcher*

Statistical modeling of clandestine behavior and peer effects in online games.

Los Angeles, CA

2011 – 2014

**Skills**

**Data and statistical analysis**

statsmodels, pandas, scikit-learn, R, Stata

**Databases**

MySQL, PostgreSQL, Neo4j, MongoDB

**Network analysis**

networkx, Gephi, statnet, PNET, NodeXL

**Data visualization**

matplotlib, seaborn, ggplot2, Gephi