NICHOLAS A. DIAKOPOULOS

+1 (404) 509 9974 mobile | nicholas.diakopoulos@gmail.com | http://www.nickdiakopoulos.com

EDUCATION

Ph.D. in Computer Science   August 2009
Georgia Institute of Technology, Atlanta, GA

M.S. in Computer Science   December 2005
Georgia Institute of Technology, Atlanta, GA

Sc.B. (B.S.) in Computer Engineering: Multimedia Signal Processing   May 2002
Brown University, Providence, RI

ACADEMIC EXPERIENCE

Northwestern University
Associate Professor, School of Communication, Dept of Communication Studies   9/2020 – present
Associate Professor (by courtesy), Dept of Computer Science   9/2020 – present

Assistant Professor, School of Communication, Dept. of Communication Studies   8/2017 – 8/2020
Assistant Professor (by courtesy), Dept. of Computer Science   5/2018 – 8/2020

University of Maryland, College Park
Assistant Professor, College of Journalism   8/2014 – 7/2017
Affiliate Assistant Professor, College of Information Studies   10/2014 – 7/2017
Affiliate Assistant Professor, Department of Computer Science   7/2015 – 7/2017

Columbia University, School of Journalism
Tow Fellow   7/2013 – present

University of Bergen, Department of Information and Media Studies
Associate Professor II   11/2015 – present
Adjunct Research Fellow   2/2012 – 12/2014
Visiting Assistant Professor   8/2009 – 10/2009

City University of New York, School of Journalism
Research Fellow   11/2011 – 6/2012

Rutgers University, School of Communication and Information
Computing Innovation Fellow   11/2009 – 10/2011

Drew University, Department of Mathematics and Computer Science
Adjunct Assistant Professor   Spring 2011

Georgia Institute of Technology, School of Interactive Computing
Research Assistant   2003 – 2009
Co-Instructor, Computational Journalism   Spring 2007, 2008
TI:GER – Technological Innovation: Generating Economic Results   Fall 2007 – Spring 2009

Brown University, Computer Science Department
Research Assistant – Graphics Lab   1/2000 – 1/2001
Undergraduate Teaching Assistant   Fall 2000

Undergraduate Teaching Assistant   Spring 1999

WORK EXPERIENCE

Faculty Fellow, The Washington Post   9/2019 – 12/2019
Washington, DC
Working with the computational political journalism R&D Lab to develop automated and algorithmic approaches to covering the 2020 US Elections.

Principal, Interaction Foundry   10/2011 – present
New York, NY
Founded a consultancy for user interface and experience design with a focus on data visualization and social media analytics; Working across web and mobile platforms to deliver evidence-based designs for visual analytic interfaces

Faculty Fellow, Chartbeat   6/2016 – 7/2016
New York, NY
Worked with the data science team to do research on news novelty and attention patterns

AAAS Mass Media Fellow, Sacramento Bee   Summer 2009
Sacramento, CA
Host: Scott Lebar, Assistant Managing Editor
Reported on science topics of interest in the Sacramento region including both writing stories and programming interactive simulations and graphics

Research Intern, Fuji-Xerox Palo Alto Laboratory (FXPAL)   Summer 2006
Palo Alto, CA
Host: Patrick Chiu
Designed and evaluated a collaborative game for tagging images on a tabletop computer; Presented research and helped write paper and patent application

Guest Researcher, Joanneum Research IIS   Summer 2004
Graz, Austria
Host: Georg Thallinger
Conducted an extensive literature review on automatic object recognition algorithms; Prototyped and evaluated algorithms for a broadcast video object recognition system

Guest Researcher, Fraunhofer IGD   Summer 2001, 8/2002 – 6/2003
Darmstadt, Germany
Host: Stephan Volmer
Developed video processing technology for content based video retrieval and tracking; Presented results of research and wrote and published papers; Worked with students on various research projects

Student Researcher, Fraunhofer CRCG   12/2000 – 5/2002
Providence, RI
Advisor: Peter Stephenson
Helped develop a new, efficient, and patented algorithm for line antialiasing; Helped write and publish the results of line antialiasing work; Researched more efficient ray-tracing methods as they relate to volume rendering

Software Engineering Intern, Avid Technology: Film and Video Effects Group   Summer 2000
Tewksbury, MA

Cross platform development (NT and Mac) of a real time audio effects subsystem for the avid video editor; Large scale software engineering and re-engineering using design patterns

Programming Intern, Astro-Med Inc.   6/1997 – 8/1999
West Warwick, RI
Programmed Windows user applications and extensible ActiveX components in MFC; Worked with other designers on various GUIs for a label design program

GRANTS AND GIFTS

Science Communication in the Ecosystem of Digital Media Platforms — $420,000 as
Co-PI from the National Science Foundation   (2022-2025)

CAREER: Computational Journalism: Integrating Algorithms and People in the Production
of News Information – $550,000 as PI from the National Science Foundation   (2019-2024)

REU Supplement — $16,000   (2021)

Algorithmic Accountability and Journalism — $25,000 gift from Facebook Research (2018)

Assessing the Role of Platform Algorithms in Shaping News Attention – $500,000 as PI
from the National Science Foundation   (2017-2020)

Algorithm Tips – $5,000 as PI from Rutgers Institute for Information Policy & Law (2016-2017)

Algorithmic Accountability – $280,000 as PI from Tow Center via Knight Foundation (2015-2017)

Revisiting Segregation through Computational History – $25,000 from
the Future of Information Alliance (FIA)   (2015)

CommentIQ – $35,000 from the Knight Foundation   (2014-2015)

Detection and Presentation of Community and Global Event Content from   (2010 – 2013)
Social Media Sources. – $250,000 as Co-PI from the NSF

Computing Innovation Fellow – $267,500 from the NSF via CRA   (2009 – 2011)

AWARDS AND HONORS

Top Paper Award (ISOJ Conference, 2022)

Impact Recognition for Algorithm Tips Paper (CSCW Conference, 2021)

Tankard Book Award for "Automating the News: How Algorithms are Rewriting the Media" (AEJMC, 2020)

Best Paper Honorable Mention (CHI Conference, 2012, 2016, 2019 – Top 5% of papers)

Research Communicator Impact Award (University of Maryland, College Park, 2016)

AAAS Mass Media Fellow (AAAS, 2009 – 10% acceptance rate)

NSF IGERT Fellow (Integrative Graduate Education and Research Traineeship) 2007 – 2009

PhD Student Research Excellence Commendation (SIC, Georgia Tech, 2008)

Foley Scholars Finalist (GVU Center, Georgia Tech, 2008)

Presidential Fellowship recipient (Georgia Tech, 2003 – 2008)

NSF Graduate Research Fellowship Honorable Mention (2002, 2004)

Graduated Magna Cum Laude (top 20% Brown University, 2002)

Outstanding Student Award in Computer Engineering (Brown University, 2002)

PUBLICATIONS

Books

1. N. Diakopoulos. Automating the News: How Algorithms are Rewriting the Media. *Harvard University Press*. June, 2019. **(Tankard Book Award Winner)**

2. Data-Driven Storytelling. Eds. N. Riche, C. Hurter, N. Diakopoulos, S. Carpendale. *A.K. Peters / CRC Press*. March, 2018.

3. B. Shneiderman, C. Plaisant, M. Cohen, S. Jacobs, N. Elmqvist, N. Diakopoulos. Designing the User Interface (DTUI). 6th Edition. *Pearson*. May, 2016.

Journal Articles

4. D. Trielli and N. Diakopoulos. Algorithmic Agenda Setting: The Shape of Search Media During the 2020 US Election. *#ISOJ Journal*. 2022. **(Top Paper Award)**

5. N. Hagar, N. Diakopoulos, B. DeWilde. Anticipating Attention: On the Predictability of News Headline Tests. *Digital Journalism*. 2021.

6. Y. Wang and N. Diakopoulos. Highlighting High-Quality Content as a Moderation Strategy: The Role of New York Times Picks in Comment Quality and Engagement. *ACM Transactions on Social Computing*. 2021.

7. J. Bandy and N. Diakopoulos. Curating Quality?: How Twitter's Timeline Algorithm Treats Different Types of News. *Social Media + Society*. 2021.

8. N. Diakopoulos, D. Trielli, and G. Lee. Towards Understanding and Supporting Journalistic Practices Using Semi-Automated News Discovery Tools. *Proceedings of the ACM (PACM): Human-Computer Interaction (CSCW)*. 2021. **(Impact Recognition)**

9. J. Bandy and N. Diakopoulos. More Accounts, Fewer Links: How Algorithmic Curation Impacts Media Exposure in Twitter Timelines. *Proceedings of the ACM (PACM): Human-Computer Interaction (CSCW)*. 2021.

10. H. Dambanemuya and N. Diakopoulos. Auditing the Information Quality of News-Related Queries on the Alexa Voice Assistant. *Proceedings of the ACM (PACM): Human-Computer Interaction (CSCW)*. 2021.

11. D. Gómez Zará and N. Diakopoulos. Characterizing Communication Patterns between Audiences and Newsbots. *Digital Journalism*. 2020.

12. N. Diakopoulos and D. Johnson. Anticipating and Addressing the Ethical Implications of Deepfakes in the Context of Elections. *New Media & Society*. 2020.

13. C. Peterson-Salahuddin and N. Diakopoulos. Negotiated Autonomy: The Role of Social Media Algorithms in Editorial Decision Making. *Media and Communication*. 2020.

14. D. Trielli and N. Diakopoulos. Partisan Search Behavior and Google Results in the 2018 U.S. Midterm Elections. *Information, Communication and Society*. 2020.

15. N. Diakopoulos. Computational News Discovery: Towards Design Considerations for Editorial Orientation Algorithms in Journalism. *Digital Journalism*. 2020.

16. M. Díaz and N. Diakopoulos. Whose Walkability?: Challenges in Algorithmically Measuring Subjective Experience. *Proceedings of the ACM (PACM): Human-Computer Interaction: Volume 3, Issue CSCW*. November, 2019.

17. N. Hagar and N. Diakopoulos. Optimizing Content with A/B Headline Testing: Changing Newsroom Practices. *Media and Communication*. 7 (1), 2019.

18. D. Park, S. Kim, J. Lee, J. Choo, N. Diakopoulos. N. Elmqvist. ConceptVector: Text Visual Analytics via Interactive Lexicon Building using Word Embedding. *Transactions on Visualization and Computer Graphics* (TVCG). 2018.

19. K. Assmann, N. Diakopoulos. Negotiating Change: Audience Engagement Editors as Newsroom Intermediaries. *#ISOJ Journal*. April, 2017.

20. N. Diakopoulos and M. Koliska. Algorithmic Transparency in the News Media. *Digital Journalism*. 2016.

21. T. Lokot and N. Diakopoulos. News Bots: Automating News and Information Dissemination on Twitter. *Digital Journalism*. 2016.

22. E. Momeni, C. Cardi, N. Diakopoulos. A Survey on Assessment and Ranking Methodologies for User-Generated Content on the Web. *ACM Computing Surveys*. 48 (3). 2016.

23. N. Diakopoulos. Picking the NYT Picks: Editorial Criteria and Automation in the Curation of Online News Comments. *#ISOJ Journal*. April, 2015.

24. N. Diakopoulos. Algorithmic Accountability: Journalistic Investigation of Computational Power Structures. *Digital Journalism*. 2015.

25. Elgesem, D., L. Steskal and N. Diakopoulos. The Structure and Content of the Discourse on Climate Change in the Blogosphere: The Big Picture. *Environmental Communication*. 2015.

26. J. Hullman and N. Diakopoulos. Visualization Rhetoric: Framing Effects in Narrative Visualization. *Trans. on Visualization and Computer Graphics*. 2011. (26% acceptance rate)

27. N. Diakopoulos, P. Stephenson. Anti-Aliased Lines Using Run-Masks. *Computer Graphics Forum*, vol. 24, no. 2, 2005.

Peer-Reviewed Archival Publications

28. J. Barnett and N. Diakopoulos. Crowdsourcing Impacts: Exploring the Utility of Crowds for Anticipating Societal Impacts of Algorithmic Decision Making. *Proceedings of the Conference on AI, Ethics, and Society (AIES)*. 2022.

29. D Liu, P Nanayakkara, S. Sakha, G Abuhamad, S. L. Blodgett, N. Diakopoulos, J. Hullman, T. Eliassi-Rad. Examining Responsibility and Deliberation in AI Impact Statements and Ethics Reviews. *Proceedings of the Conference on AI, Ethics, and Society (AIES)*. 2022.

30. P. Nanayakkara, J. Hullman, and N. Diakopoulos. Unpacking the Expressed Consequences of AI Research in Broader Impact Statements. *Proceedings of the Conference on AI, Ethics, and Society (AIES)*. 2021.

31. Y. Wang and N. Diakopoulos. Journalistic Source Discovery: Supporting The Identification of News Sources in User Generated Content. *Proc. Human Factors in Computing Systems (CHI)*. 2021.

32. Y. Wang and N. Diakopoulos. The Role of New York Times Picks in Comment Quality and Engagement. *HICSS Track on Mediated Conversation*. 2021.

33. J. Bandy and N. Diakopoulos. Auditing News Curation Systems: A Case Study Examining Algorithmic and Editorial Logic in Apple News. *Proc. International Conference on Web and Social Media (ICWSM)*. 2020.

34. D. Trielli and N. Diakopoulos. Search as News Curator: The Role of Google in Shaping Attention to News Information. *Proc. Conference on Human Factors in Computing Systems (CHI)*, May, 2019 (24% acceptance rate, 5% rate of award) **(Best Paper Honorable Mention)**

35. S. Sachar, N. Diakopoulos. Changing Names in Online News Comments at the New York Times. *Proc. International Conference on Web and Social Media (ICWSM)*. May, 2016. (17% acceptance rate)

36. D. Park, S. Sachar, N. Diakopoulos, and N. Elmqvist. Supporting Comment Moderators in Identifying High Quality Online News Comments. *Proc. Conference on Human Factors in Computing Systems (CHI).* May, 2016. (23% acceptance rate, 5% rate of award) **(Best Paper Honorable Mention)**

37. A. Olteanu, C. Castillo, N. Diakopoulos, K. Aberer. Comparing Events Coverage in Online News and Social Media: The Case of Climate Change. *Proc. International Conference on Web and Social Media (ICWSM).* May, 2015. (19% acceptance rate)

38. N. Diakopoulos. The Editor's Eye: Curation and Comment Relevance on the New York Times. Proc. Conference on Computer Supported Cooperative Work (CSCW). March 2015. (28% acceptance rate)

39. J. Hullman, N. Diakopoulos, E. Momeni, E. Adar. Content, Context, and Critique: Commenting on a Data Visualization Blog. Proc. Conference on Computer Supported Cooperative Work (CSCW). March 2015. (28% acceptance rate)

40. N. Diakopoulos and A. Zubiaga. Newsworthiness and Network Gatekeeping on Twitter: The Role of Social Deviance. Proc. International Conference on Weblogs and Social Media (ICWSM). June, 2014.

41. N. Diakopoulos, A. Zhang, D. Elgesem, A. Salway. Identifying and Analyzing Moral Evaluation Frames in Climate Change Blog Discourse. Proc. International Conference on Weblogs and Social Media (ICWSM). June, 2014.

42. T. Gao, J. Hullman, E. Adar, B. Hecht, N. Diakopoulos. NewsViews: An Automated Pipeline for Creating Custom Geovisualizations for News. Proc. Conference on Human Factors in Computing Systems (CHI). 2014. (23% acceptance rate)

43. J. Hullman, N. Diakopoulos, E. Adar. Contextifier: Automatic Generation of Annotated Stock Visualizations. Proc. Conference on Human Factors in Computing Systems (CHI). May 2013.

44. N. Diakopoulos, M. De Choudhury, M. Naaman. Finding and Assessing Social Media Information Sources in the Context of Journalism. Proc. Conference on Human Factors in Computing Systems (CHI). May 2012. (23% acceptance rate) (**Best Paper Honorable Mention**)

45. M. De Choudhury, N. Diakopoulos, M. Naaman. Unfolding the Event Landscape on Twitter: Classification and Exploration of User Categories. Proc. Conference on Computer Supported Cooperative Work (CSCW). February, 2012. (top 9% of submissions)

46. S. Brody and N. Diakopoulos. Coooooooooooooooolllllllllllllll!!!!!!!!!!!!!! Using Word Lengthening to Detect Sentiment in Microblogs. Proc. Empirical Methods in Natural Language Processing (EMNLP). July 2011. (23% acceptance rate).

47. N. Diakopoulos, F. Kivran-Swaine, M. Naaman. Playable Data: Characterizing the Design Space of Game-y Infographics. Proc. Conference on Human Factors in Computing Systems (CHI). May 2011. (26% acceptance rate)

48. N. Diakopoulos, M. Naaman. Towards Quality Discourse in Online News Comments. Proc. Conference on Computer Supported Cooperative Work (CSCW). March, 2011. (21.6% acceptance rate)

49. N. Diakopoulos, M. Naaman, F. Kivran-Swaine. Diamonds in the Rough: Social Media Visual Analytics for Journalistic Inquiry. Proc. Conference on Visual Analytics Science and Technology (VAST). October, 2010. (27.7% acceptance rate)

50. N. Diakopoulos and D. A. Shamma. Characterizing Debate Performance via Aggregated Twitter Sentiment. Proc. Conference on Human Factors in Computing Systems (CHI). April 2010. (22% acceptance rate)

51. K. Luther, N. Diakopoulos, A. Bruckman. Edits & Credits: Exploring Integration and Attribution in Online Creative Collaboration. Proc. Conference on Human Factors in Computing Systems (CHI) alt.chi. April, 2010.

52. N. Diakopoulos, S. Goldenberg, I. Essa. Videolyzer: Quality Analysis of Online Informational Video for Bloggers and Journalists. Proc. Conference on Human Factors in Computing Systems (CHI). April 2009. (24.5% acceptance rate)

53. N. Diakopoulos, K. Luther, I. Essa. Audio Puzzler: Piecing Together Time-Stamped Speech Transcripts with a Puzzle Game. Proc. ACM Conference on Multimedia. October, 2008.

54. N. Diakopoulos, I. Essa. An Annotation Model for Making Sense of Information Quality in Online Video. Proc. International Conference on the Pragmatic Web (ICPW). September, 2008.

55. N. Diakopoulos, K. Luther, Y. Medynskiy, I. Essa. The Evolution of Authorship in a Remix Society. Proc. Hypertext and Hypermedia. September 2007. (29% acceptance rate)

56. N. Diakopoulos, I. Essa. Videotater: An Approach for Pen-Based Digital Video Segmentation and Tagging. Proc. User Interface Software and Technology (UIST). October 2006 (23% acceptance rate)

57. N. Diakopoulos, I. Essa. Mediating Photo Collage Authoring. Proc. User Interface Software and Technology (UIST). October 2005. (19% acceptance rate)

58. N. Diakopoulos, I. Essa, and R. Jain. Content Based Image Synthesis. Proc. Conference on Image and Video Retrieval (CIVR). July 2004. pp 299-307. (17% acceptance rate)

59. S. Volmer and N. Diakopoulos. Contextually Meaningful Representation of Color for the Description of Visual Content. Proc. 6th International Conference on Visual Information Systems. September 2003.

Book Chapters, Reports, and Other Edited Articles

60. J. Bandy and N. Diakopoulos. All the News that's Fit to Tweet: Sociotechnical Local News Distribution from the New York Times to Twitter. *News Quality in the Platform Era*. Eds. Phil Napoli and Regina Lawrence. Routledge. 2022.

61. N. Diakopoulos. Predictive Journalism: On the Role of Computational Prospection in News Media. *Tow Center for Digital Journalism*. 2022.

62. N. Diakopoulos, J. Bandy. H. Dambanemuya. Auditing Human-Machine Communication Systems Using Simulated Humans. *Sage Handbook of Human-Machine Communication*, Eds. Andrea L. Guzman, Rhonda McEwen, and Steve Jones, 2022.

63. C. Trattner, D. Jannach, E. Motta, I. Costera Meijer, N. Diakopoulos, M. Elahi, A. Opdahl, B. Tessem, N. Borch, M. Fjeld, L. Øvrelid, K. De Smedt, H. Moe. Responsible Media Technology and AI: Challenges and Research Directions. *AI and Ethics*. 2021.

64. D. Johnson and N. Diakopoulos. What To Do About Deepfakes. *Communications of the ACM (CACM)*. 2021.

65. N. Diakopoulos. Artificial Intelligence and Journalism. *The Encyclopedia of Journalism* 2nd Edition. Ed. Gregory Borchard. Sage. 2020.

66. N. Diakopoulos. Transparency. *Oxford Handbook of Ethics and AI*. Eds. Markus Dubber, Frank Pasquale, Sunit Das. May, 2020.

67. N. Diakopoulos. Towards a Design Orientation on Algorithms and Automation in News Production. *Digital Journalism*. November, 2019.

68. S. Lewis, M. Broussard, N. Diakopoulos, A. Guzman, R. Abebe, M. Dupagne, C-H. Chuan. Artificial Intelligence and Journalism. *Journalism & Mass Communication Quarterly*. 2019.

69. C-G Lindén, H. Tuulonen, A. Bäck, N. Diakopoulos, M. Granroth-Wilding, L. Haapanen, L. Leppänen, M. Melin, T. Moring, M. Munezero, S. Sirén-Heikel, C. Södergård, H. Toivonen. News Automation: The Rewards, Risks and Realities of 'Machine Journalism'. WAN IFRA Report. March, 2019.

70. N. Diakopoulos. The Algorithms Beat. *Data Journalism Handbook*. Eds. Liliana Bornegru and Jonathan Gray. November, 2018.

71. M. Koliska and N. Diakopoulos. Disclose, Decode and Demystify: An Empirical Guide to Algorithmic Transparency. *The Routledge Handbook of Developments in Digital Journalism Studies*. Eds. Scott Eldridge II and Bob Franklin. October, 2018

72. N. Diakopoulos, D. Trielli, J. Stark, S. Mussenden. I Vote For – How Search Informs Our Choice of Candidate. In *Digital Dominance: Implications and Risks*. Eds. M. Moore and D. Tambini. June, 2018.

73. N. Diakopoulos. Ethics in Data-Driven Visual Storytelling. *Data-Driven Storytelling*. Eds. N. Riche, C. Hurter, N. Diakopoulos, S. Carpendale. A.K. Peters / CRC Press. March, 2018.

74. S. Drucker, S. Huron, R. Kosara, J. Schwabish, N. Diakopoulos. Communicating Data to an Audience. *Data-Driven Storytelling*. Eds. N. Riche, C. Hurter, N. Diakopoulos, S. Carpendale. A.K. Peters / CRC Press. March, 2018.

75. N. Diakopoulos. Enabling Accountability of Algorithmic Media: Transparency as a Constructive and Critical Lens**.** Towards glass-box data mining for Big and Small Data. Eds. Tania Cerquitelli, Daniele Quercia, Frank Pasquale. Springer. 2017.

76. N. Diakopoulos. Computational Journalism and the Emergence of News Platforms. The Routledge Companion to Digital Journalism Studies. Eds. Scott Eldridge II and Bob Franklin. August, 2016.

77. N. Diakopoulos. Accountability in Algorithmic Decision Making: A view from Computational Journalism. Communications of the ACM (CACM). Feb, 2016.

78. N. Diakopoulos. Algorithmic Accountability Reporting: On the Investigation of Black Boxes. Tow Center for Digital Journalism at Columbia University. January 2014.

79. N. Diakopoulos. Cultivating the Landscape of Innovation in Computational Journalism. Tow-Knight Center for Entrepreneurial Journalism at CUNY. April 2012.

80. N. Diakopoulos, M. Naaman, T. Yazdani, F. Kivran-Swaine. Social Media Visual Analytics for Events. In Social Media Modeling and Computing. Eds. Steven Hoi, Jiebo Luo, Susanne Boll, Dong Xu, Rong Jin, Irwin King. Springer Verlag. 2011.

Peer Reviewed Non-Archival Publications

81. C. Colglazier and N. Diakopoulos. Predictive Models in News Coverage of the COVID-19 Pandemic in the U.S. *International Communication Association (ICA) Conference*. 2022.

82. C. Tong and N. Diakopoulos. Searching for BLM: Search Behavior and Google Results During the 2020 Black Lives Matter Protests. *International Communication Association (ICA) Conference*. 2021.

83. P. Nanayakkara, N. Diakopoulos, J. Hullman. Anticipatory Ethics and the Role of Uncertainty. *Workshop on Navigating the Broader Impacts of AI Research @ NeurIPS*. 2020

84. J. Bandy and N. Diakopoulos. #TulsaFlop: A Case Study of Algorithmically-Influenced Collective Action on TikTok. *FAccTRec Workshop on Responsible Recommendation*. September, 2020.

85. H. Dambanemuya and N. Diakopoulos. "Alexa, what is going on with the impeachment?" Evaluating smart speakers for news quality. Proc. Computation + Journalism Symposium. March, 2020.

86. N. Diakopoulos, M. Dong, L. Bronner, J. Bowers. Generating Location-Based News Leads for National Politics Reporting. Proc. Computation + Journalism Symposium. March, 2020.

87. D. Trielli and N. Diakopoulos. How Journalists Can Systematically Critique Algorithms. Proc. Computation + Journalism Symposium. March, 2020.

88. Y. Wang and N. Diakopoulos. Readers' Perceptions of Personalized News Articles. Proc. Computation + Journalism Symposium. March, 2020.

89. N. Hagar, J. Bandy, D. Trielli, Y. Wang. N. Diakopoulos. Defining Local News: A Computational Approach. Proc. Computation + Journalism Symposium. March, 2020.

90. J. Bandy and N. Diakopoulos. Getting to the Core of Algorithmic News Aggregators: Applying a Crowdsourced Audit to The Trending Stories Section of Apple News. Proc. Computation + Journalism Symposium. February, 2019.

91. D. Trielli and N. Diakopoulos. Defining the Role of User Input Bias in Personalized Platforms. Proc. ICWSM Workshop on Algorithmic Personalization and News. 2018.

92. Y. Wang and N. Diakopoulos. Considerations for Article-Level Personalization of News Content. Proc. ICWSM Workshop on Algorithmic Personalization and News. 2018.

93. D. Trielli, J. Stark and N. Diakopoulos. Algorithm Tips: A Resource for Algorithmic Accountability in Government. Proc. Computation + Journalism Symposium. September, 2017.

94. J. Stark and N. Diakopoulos. Using Baselines for Algorithm Audits. European Conference on Data and Computational Journalism. July, 2017.

95. J. Stark and N. Diakopoulos. Towards Editorial Transparency in Computational Journalism. *Proc. Computation + Journalism Symposium*. September, 2016.

96. N. Diakopoulos, D. Elgesem, A. Salway, A. Zhang, K. Hofland. Compare Clouds: Visualizing Text Corpora to Compare Media Frames. Proc. IUI Workshop on Visual Text Analytics. 2015.

97. Yelena Mejova, Amy X. Zhang, Nicholas Diakopoulos and Carlos Castillo. Controversy and Sentiment in Online News. Proc. Symposium on Computation + Journalism. Poster track. Oct, 2014.

98. N. Diakopoulos, Stephen Cass, and Joshua Romero. Data-Driven Rankings: The Design and Development of the IEEE Top Programming Languages News App. Proc. Symposium on Computation + Journalism. Oct, 2014.

99. N. Diakopoulos, A. Zhang, A. Salway. Visual Analytics of Media Frames in Online News and Blogs. IEEE InfoVis Workshop on Text Visualization. 2013.

100. N. Diakopoulos. Visual Analytics of Blog Corpora for Communication Scholars. IEEE InfoVis workshop on Interactive Visual Text Analytics. October 2012.

101. A. Salway, N. Diakopoulos, D. Elgesem. Visualizing Information Diffusion and Polarization with Key Statements. International Conference on Weblogs and Social Media (ICWSM) workshop on Social Media Visualization. June, 2012.

102. F. Kivran-Swaine, Sam Brody, Nicholas Diakopoulos, Mor Naaman. Of Joy and Gender: Emotional Expression in Online Social Networks. Conference on Computer Supported Cooperative Work (CSCW) Works in Progress. February, 2012.

103. N. Diakopoulos. Design Challenges in Playable Data. CHI Workshop on Gamification. May, 2011.

104. N. Diakopoulos and M. Naaman. Topicality, Time, and Sentiment in Online News Comments. Conference on Human Factors in Computing Systems (CHI) Works in Progress. May, 2011.

105. Z. Yu, N. Diakopoulos, M. Naaman. The Multiplayer: Multi-perspective Social Video Navigation. In Proc. Addendum of User Interface Software Technology (UIST). October 2010.

106. N. Diakopoulos. Game-y Information Graphics. Conference on Human Factors in Computing Systems (CHI) Works in Progress. April 2010.

107. N. Diakopoulos, I. Essa. Modulating Video Credibility via Visualization of Quality Evaluations. WWW Workshop on Information Credibility on the Web (WICOW). April, 2010.

108. S. Yardi, K. Luther, N. Diakopoulos, A. Bruckman. Opening The Black Box: Four Views of Transparency in Remix Culture. CSCW Workshop on Tinkering, Tailoring, & Mashing: The Social and Collaborative Practices of the Read-Write Web. November, 2008.

109. P. Chiu, J. Huang, M. Back, N. Diakopoulos, J. Doherty, W. Polak, X. Sun. mTable: Browsing Photos and Videos on a Tabletop System. ACM Multimedia Video Program. 2008.

110. N. Diakopoulos, P. Chiu. PhotoPlay: A Collocated Collaborative Photo Tagging Game on a Horizontal Display. In Proceedings addendum of User Interface Software Technology (UIST). October 2007.

111. A. St. Clair, M. Fong, N. Diakopoulos, I. Essa. NARC: The News Article Revision Comparator. In Proceedings addendum of User Interface Software Technology (UIST). October 2007.

112. K. Luther and N. Diakopoulos. Distributed Creativity. Creativity and Cognition Workshop on Supporting Creative Acts Beyond Dissemination. June 2007.

113. N. Diakopoulos, I. Essa. Supporting Personal Media Authoring . ACM Multimedia workshop on Multimedia for Human Communication (MHC). November 2005.

114. H. Rehatschek, N. Diakopoulos, G. Kienast, V. Hahn, T. Declerck. DIRECT-INFO: A Distributed Multimodal Analysis System for Media Monitoring Applications. European Workshop on the Integration of Knowledge, Semantics and Digital Media Technology (EWIMT 2004). November 2004.

115. N. Diakopoulos and S. Volmer. Temporally Tolerant Video Matching. SIG IR Multimedia Information Retrieval Workshop. August 2003

Selected Works in Public Media

116. N. Hagar and N. Diakopoulos. How A/B testing can (and can't) improve your headline writing. Nieman Lab. October, 2021.

117. J. Bandy and N. Diakopoulos. Amping up algorithmic transparency to govern online platform power. The Hill. April, 2021.

118. N. Diakopoulos. The Ethics of Predictive Journalism. Columbia Journalism Review. April, 2020.

119. N. Diakopoulos. The journalistic newsfeed: editorial values and algorithms. Columbia Journalism Review. December, 2019.

120. N. Diakopoulos. Apple News is excluding local newsrooms from its coveted traffic bump. Columbia Journalism Review. September, 2019.

121. N. Diakopoulos and D. Johnson. How could deepfakes impact the 2020 U.S. elections? Nieman Lab. June, 2019.

122. N. Diakopoulos. Artificial intelligence-enhanced journalism offers a glimpse of the future of the knowledge economy. The Conversation. June, 2019.

123. N. Diakopoulos. Audit suggests Google favors a small number of major outlets. Columbia Journalism Review. May, 2019.

124. N. Diakopoulos. What is machine learning and why should I care? Columbia Journalism Review. April, 2019.

125. N. Diakopoulos. Boosting local news with data journalism and automation. Columbia Journalism Review. January, 2019.

126. N. Diakopoulos. What a report from Germany teaches us about investigating algorithms. Columbia Journalism Review. January, 2018

127. N. Diakopoulos. An algorithmic nose for news. Columbia Journalism Review. November, 2018.

128. N. Diakopoulos. Bots and the future of automated accountability. Columbia Journalism Review. September, 2018.

129. N. Diakopoulos. There are a lot of rote tasks a good AI interviewer could do for you. Columbia Journalism Review. June, 2018

130. N. Diakopoulos. Reporting in a Machine Reality: Deepfakes, misinformation, and what journalists can do about them. Columbia Journalism Review. May, 2018

131. N. Diakopoulos. The bots beat: How not to get punked by automation. Columbia Journalism Review. April, 2018.

132. D. Trielli and N. Diakopoulos. How to report on algorithms even if you're not a data whiz. Columbia Journalism Review. May, 2017.

133. N. Diakopoulos and S. Friedler. How to Hold Algorithms Accountable. MIT Technology Review. November, 2016.

134. N. Diakopoulos. BuzzFeed's pro tennis investigation displays ethical dilemmas of data journalism. Columbia Journalism Review. November, 2016.

135. D. Trielli and N. Diakopoulos. How Google Shapes the News You See About the Candidates. Slate. November, 2016.

136. D. Trielli, S. Mussenden, J. Stark, N. Diakopoulos. Googling Politics: How the Google issue guide on candidates is biased. Slate. June, 2016.

137. N. Diakopoulos. We need to know the algorithms the government uses to make important decisions about us. The Conversation. May, 2016.

138. J. Stark and N. Diakopoulos. Uber seems to offer better service in areas with more white people. That raises some tough questions. Washington Post. March, 2016.

139. N. Diakopoulos. How to Hold Governments Accountable for the Algorithms They Use. Slate. Feb. 2016

140. D. Trielli, S. Mussenden, N. Diakopoulos. Why Google Search Results Favor Democrats. Slate. Dec. 2015

141. N. Diakopoulos, S. Cass. Top Programming Languages Ranking. IEEE Spectrum. 2014, 2015, 2016

142. N. Diakopoulos. How Uber Surge Pricing Really Works. Washington Post. April, 2015

143. N. Diakopoulos. Bots on the Beat. Slate. April, 2014

144. N. Diakopoulos. Sex, Violence, and Autocomplete Algorithms. Slate. August, 2013

145. N. Diakopoulos. Rage Against the Algorithms. The Atlantic. October, 2013

Patents
1. Peter Stephenson, Bruce Litow, and Nicholas Diakopoulos. Using line structure information to enhance line drawing in digital systems. US Patent # WO03052733. July 26, 2003

2. Nicholas Diakopoulos, Patrick Chiu. Photoplay: A Video Game for Tagging Photos on a Tabletop Display. US Patent #7,686,682 B2. March 30, 2010.

SELECTED PRESENTATIONS AND INVITED TALKS
1. *Invited Talk.* The Open University. "News Media in the Age of AI" (virtual). May, 2022.

2. *Invited Panelist.* University of Amsterdam. "The positive and negative implications of voice news" (virtual). October, 2021.

3. *Invited Talk.* University of Bergen Media Futures Conference. "Computational News Discovery: Designing Journalistic Tools to Support Algorithmic Lead Generation" (virtual). September, 2021.

4. *Invited Talk.* University of Minnesota. "How Algorithmic Intermediaries Shape Attention to News" (virtual). February, 2021.

5. *Invited Talk*. University of Maryland Human Computer Interaction Lab. "How Algorithmic Intermediaries Shape Attention to News" (virtual). February, 2021.

6. *Invited Panelist*. Journalism AI Festival. (virtual). December, 2020.

7. *Invited Talk*. University of Sheffield. "Automating the News" England (virtual). December, 2020.

8. *Invited Talk*. Christ Nagar College. "Global Summit on Artificial Intelligence in Journalism" India (virtual). November, 2020.

9. *Invited Talk*. Truth and Trust Online (TTO) Conference. "Confronting the Ethical Implications of Synthetic Media" (virtual). October, 2020.

10. *Invited Talk*. Yale ISP. "Anticipating and addressing the ethical implications of deepfakes in the context of elections" New Haven, CT (virtual). July, 2020.

11. *Invited Talk*. University of Michigan. "The Role of Algorithmic Intermediaries in Shaping Attention to News" Ann Arbor, MI. March, 2020

12. *Invited Talk*. University of Missouri Reynolds Institute. "Automating the News" Columbia, MO. Feb, 2020

13. *Invited Keynote*. European Broadcasting Union (EBU) News Assembly. "Doing Journalism in a Synthetic Media Reality" Paris, France. November, 2019.

14. *Invited Talk*. Journalism of Things Conference. "Automating the News: How Algorithms are Rewriting the Media" Stuttgart, Germany. November, 2019.

15. *Invited Panelist*. Global Investigative Journalism Conference. "Algorithmic Accountability" Hamburg, Germany. September, 2019.

16. *Invited Keynote*. Machines + Media Conference. "Automating the News: How Algorithms are Rewriting the Media" New York, NY. May, 2019.

17. *Invited Talk*. Stanford University, Brown Institute for Media Innovation. "Automating the News: How Algorithms are Rewriting the Media" Palo Alto, CA. April, 2019.

18. *Invited Talk*. University of Illinois – Chicago. "Algorithmic Intermediaries and Attention to News Information" Chicago, IL. Feb, 2019.

19. *Invited Keynote*. UK Conference of Science Journalists. "Algorithmic Bias and Accountability" London, UK. October, 2018.

20. *Invited Panelist*. Yale University. Media Freedom and Information Access Clinic. "Algorithmic Accountability" New Haven, CT. October, 2018

21. *Invited Respondent*. Northwestern University. Law and STEM Forum. September, 2018.

22. *Invited Keynote*. SciCAR Conference. "How Newsrooms are Adapting to Advances in Artificial Intelligence" Dortmund, Germany. September, 2018.

23. *Invited Keynote*. ICWSM Workshop on News and Public Opinion. "News Bots: Agents of Information or Automated Sociopaths?" Palo Alto, CA. June, 2018.

24. *Invited Talk*. SKUP Conference. "Algorithmic Accountability Reporting" Oslo, Norway. April, 2018.

25. *Invited Talk*. Watching in the Media Conference. "Neural Networks and Automated Content Synthesis" Bergen, Norway. March, 2018.

26. *Invited Talk*. Cardiff University. "Algorithmic Accountability Reporting" Cardiff, Wales. January, 2018

27. *Invited Panelist*. Computing Community Consortium (CCC) Annual Symposium. "Data and Algorithms" Washington, DC. October, 2017

28. *Invited Keynote*. KDD Workshop on Data Science + Journalism. "Journalistic Data Mining" Halifax, Canada. August, 2017.

29. *Invited Keynote*. European Investigative Journalism and Dataharvest Conference. "The Power of Algorithms" Mechelen, Belgium. May, 2017.

30. *Invited Panelist*. NYU Algorithms and Explanations Conference. "Explainability in Context – Media" New York, NY. April, 2017

31. *Invited Panelist*. International Journalism Festival. "Collaborating with Algorithms" Perugia, Italy. April, 2017.

32. *Invited Talk*. University of Cambridge. "Algorithmic Accountability and Transparency: A View from Computational Journalism" Cambridge, England. March, 2017.

33. *Invited Talks*. University of Helsinki. "Computational Journalism and Computational Thinking" and "News Bots Design Workshop" Helsinki, Finland. March, 2017.

34. *Invited Talk*. Hans Bredow Institute for Media Research. "The Algorithmic Newsboys: Google and Facebook in the 2016 US Elections" Hamburg, Germany, December, 2016.

35. *Invited Talk*. Columbia University Communication PhD Colloquium. "Algorithmic Accountability and Transparency in the News Media" New York, New York, November 2016.

36. *Invited Talk*. Salzburg Academy on Media and Global Change. "Algorithmic Accountability and Transparency in the News Media" Salzburg, Austria, July 2016.

37. *Panelist*. International Communication Association (ICA), "Automation as an Editorial Act" Fukuoka, Japan, June 2016.

38. *Invited Talk*. Human Computer Interaction Lab Symposium, "Algorithmic Transparency in the User Interface" College Park, MD, May, 2016.

39. *Invited Keynote*. Nordic Data Journalism Conference (NODA). "Algorithmic Accountability and Transparency" Helsinki, Finland, April 2016.

40. *Invited Keynote*. Social News on the Web (SNOW). "Enhancing Journalistic Curation of Online News Comments" Montreal, Canada, April 2016.

41. *Invited Panelist.* International Journalism Festival. "Can a robot do my job?" and "Creating community: how effective curation of interactive spaces can bring readers together". Perugia, Italy, April, 2016.

42. *Panelist*. NICAR Conference. "Algorithmic Accountability: Case Studies from the Field", Panel, Denver, CO, March, 2016

43. *Invited Talk*. Max Planck Institute. "Algorithmic Accountability and Transparency: A View from Computational Journalism" Saarbruecken, Germany. Feb. 2016.

44. *Invited Panelist.* New America Foundation. "The Tyranny of Algorithms" Washington, DC. Dec. 2015

45. *Invited Talk*. Virginia Tech. "Algorithmic Accountability and Transparency: A View from Computational Journalism" Blacksburg, VA. Dec. 2015

46. *Invited Talk*. Hacks / Hackers Berlin. "Algorithmic Accountability" Berlin, Germany. July 2015.

47. *Invited Panelist*. IRE Conference. "Investigating Black Boxes" Philadelphia, PA. June 2015.

48. *Invited Talk*. Appalachian State University. "Algorithmic Accountability: Developing a Critical Stance Towards the Algorithms in our Lives" Boone, NC. April 2015.

49. *Invited Talk*. NICAR Conference. "From words to pictures: Text analysis and visualization" Atlanta, GA, March 5, 2015

50. *Invited Talk*. New Practices in Journalism at Sciences Po. "Anatomy of a Robot Journalist" Paris, France, December 8, 2014.

51. *Invited Panelist.* World Economic Forum. "Accountability in a Data-Driven World" New York, October 22, 2014.

52. *Invited Talk*. HCI Group at University of Illinois (UIUC). "Computational Journalism: From Tools to Algorithmic Accountability" Urbana, IL, September 2014.

53. *Invited Talk*. Online News Association (ONA) Annual Conference. "Algorithms, Journalism, Democracy" Chicago, IL, September 2014.

54. *Invited Talk*. University of Maryland Campus Visualization Partnership Lecture Series. "The Virtues of Text in Data Visualization" College Park, MD, September 2014

55. *Panelist*. AEJMC Conference. "Apps, Algorithms, and Platforms: Emerging Objects of Digital Journalism" Montreal, Canada, August 2014.

56. *Invited Talk*. Quantifying Journalism: Data, Metrics, and Computation Conference. "Algorithmic Accountability Reporting: On the Investigation of Black Boxes." New York, NY, May 2014

57. *Invited Keynote*. REACTION Workshop on Computational Journalism. "Computational Journalism: From Tools to Algorithmic Accountability." Porto, Portugal. April 2014.

58. *Invited Keynote*. Journalism Interactive Conference. "Algorithmic Accountability Reporting: On the Investigation of Black Boxes." College Park, MD, April 2014

59. *Panelist*. NICAR Conference. "Holding Algorithms Accountable." February 2014

60. *Invited talk*. UNESCO International Conference on the "Memory of the World in the Digital Age: Digitization and Preservation" Vancouver, BC, September 2012.

61. *Invited Talk*. "Innovation and Computing in Journalism" Northwestern University, Evanston, Il, May 2012.

62. *Invited Talk*. "Innovation and Computing in Journalism" University of Hong Kong, Hong Kong, March 2011.

63. *Invited Talk*. "What's the Story with Data?" DIY Days NYC, Parsons New School, New York, NY, March 2011.

64. *Invited Talk*. "Towards Quality Discourse in Online News Comments" UNESCO Iraqi Study Tour, Rutgers University, New Brunswick, NJ, January 2011.

65. *Invited Talk.* "Discount Usability: Methods and Application" Associated Press (AP), New York, NY, December, 2010.

66. *Invited Talk*. "Playable Data" Journalism Research Group, University of Bergen, Bergen, Norway, September, 2010.

67. *Invited Talk*. "Social Media Visual Analytics for Journalistic Inquiry" Journalism Research Group, University of Bergen, Bergen, Norway, May, 2010.

68. *Invited Talk*. "Computational Journalism: Visual Analytics for Journalistic Inquiry" American Public Media / Minnesota Public Radio, St. Paul, MN, May, 2010.

69. *Invited Talk*. "Computational Journalism: Visual Analytics for Journalistic Inquiry" IBM Research, Cambridge, MA, April, 2010

70. *Invited Talk*. "Computational Journalism: Commenting on the News" University of Michigan, Ann Arbor, MI, March 2010.

71. *Invited Talk*. "Computational Journalism: Commenting on the News" Michigan State University (MSU), East Lansing, MI, February 2010.

72. *Invited Talk*. N. Diakopoulos. "Computational Media: Annotation, Interaction, Communication" Fuji Xerox Palo Alto Laboratory (FXPAL), Palo Alto, CA, July 2009.

73. *Panelist*. "Computational Journalism: Content, Interfaces, Services, Business Models" OSCON, San Jose, CA, July 2009.

74. *Invited Talk*. "Computational Media: Annotation, Interaction, Communication" Yahoo! Research, Sunnyvale, CA, May 2009.

75. *Invited Talk.* "Computational Media: Annotation, Interaction, Communication" Telefónica Investigación y Desarollo (TID), Barcelona, Spain, May 2009.

76. *Invited Talk.* "Computational Journalism" The New York Times, New York, NY, April 2009.

PROFESSIONAL AND ACADEMIC SERVICE

Community and Conference Leadership Activities
Program Chair. Computation + Journalism Symposium, 2008, 2013, 2014, 2019
Co-Organizer. HCI and Journalism Workshop @ CHI, 2019
Co-Organizer. Algorithmic Personalization and News Workshop @ ICWSM, 2018
Workshops Co-Chair. International Conference on Web and Social Media (ICWSM), 2016
Co-Organizer. Dagstuhl Workshop on Data-Driven Storytelling, 2016
Program Chair. Workshop on Algorithmic Transparency in the Media, 2015

Program Committees
Computation + Journalism Symposium, 2015, 2016, 2017, 2020, 2021
International Conference on Web and Social Media (ICWSM) Program Committee: 2014, 2015; Senior Program Committee: 2016, 2017, 2018, 2019, 2020
Conference on Fairness, Accountability, and Transparency (FAccT), 2018, 2019, 2020 Senior Program Committee: 2022
European Data and Computational Journalism Conference, 2017, 2018, 2019, 2020
Conference on Truth and Trust Online (TTO), 2019
Workshop on News Media Content Analysis and Automated Report Generation @ EACL, 2021
Workshop on Misinformation, Computational Fact-Checking and Credible Web @ WWW, 2019
Journalism, Misinformation, and Fact Checking @ WWW Conference, 2018
Data Science, Journalism, and Media Workshop @ KDD, 2018
News and Public Opinion Workshop (NECO) @ ICWSM, 2016—2020
Social News on the Web, 2017
Social Media in the Newsroom Workshop @ ICWSM, 2016
EuroVis Conference on Visualization, 2016
Workshop on Social Multimedia and Storytelling, 2014
Empirical Methods in Natural Language Processing, 2014
Joint InfoVis and ONA workshop on NewsVis: Mobile and Breaking News, 2013
North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL HLT), 2012
World Wide Web Conference, User Interfaces, Design, and Social Factors Track (WWW-IDS), 2012
InfoVis Workshop on Storytelling with Data, 2011
Conference on Human Factors in Computing Systems WIP (CHI), 2011
Symposium on User Interface Software and Technology (UIST), 2010
Workshop on Search in Social Media (SSM) @ CIKM, 2008

Journal / Proceedings Editorial Positions
Digital Journalism, Editorial Board, 2014—
Proceedings of the ACM: Human-Computer Interaction, Associate Chair for CSCW, 2019—2020
Associate Chair for Proc. Conference on Human Factors in Computing Systems (CHI), 2020

Policy
US-ACM, Working Group on Algorithmic Accountability (2016)
US-ACM, Technology Policy Committee, 2016—

Grant Reviewing
National Science Foundation (NSF), ad-hoc and panel, 2020, 2021
European Research Council (ERC), 2020

Corporation for Public Broadcasting, 2019
Ethics and Governance of AI Initiative, AI and the News Challenge, 2018
Open Society Foundation, Information Program, 2017
Brown Institute for Media Innovation, Columbia University, 2013 – 2017
Knight Foundation, News Challenge, 2015
National Endowment for the Humanities, Digging into Data, 2016

Conference, Journal, and Book Reviewing
Big Data & Society, 2017
Columbia University Press, 2020, 2021
Communications of the ACM (CACM), 2020
Computers in Human Behavior, 2016
Computer Supported Cooperative Work (CSCW), 2008, 2010 – 2021
Conference on Human Factors in Computing Systems (CHI), 2006 – 2021
Digital Journalism, 2014 – 2021
EuroVis, 2011 – 2016, 2020
ICMI International Conference on Multimodal Interfaces, 2007
IEEE Computer Graphics and Applications, 2015
IEEE Information Visualization Conference (InfoVis), 2010 – 2013, 2016, 2018
IEEE Pervasive Computing, 2014
Information Visualization, 2014
International Communication Association (ICA) Journalism Studies Division, 2017, 2018, 2019
Information, Communication, & Society, 2019, 2020
International Conference on Intelligent User Interfaces (IUI), 2010
International Journal of Press/Politics, 2014, 2019
International Journal of Communication, 2021
International World Wide Web Conference (WWW), 2010
JASIST, 2020
Journalism, 2015 – 2016
Journal of Business Ethics, 2020
Journalism and Mass Communication Quarterly, 2019
Journalism Practice, 2017
Journalism Studies, 2018 – 2019
Journalism Theory, Practice, Criticism, 2014
Journal of Communication, 2015, 2017 – 2021
Journal of Information Policy, 2018
Journal of Computer Mediated Communication, 2014, 2015, 2017, 2019
Journal of Responsible Technology, 2021
Minds and Machines, 2020
Media & Communication, 2019 – 2021
New Media & Society, 2015 – 2020
New Review of Hypermedia, 2014
Nordicom Review, 2020
Oxford University Press, 2019, 2021
Political Communication, 2016
Public Opinion Quarterly, 2019
Routledge, 2021
SIGGRAPH, 2007 – 2008
Social Media & Society, 2016, 2021, 2022
Symposium on User Interface Software and Technology (UIST), 2004 – 2012
Symposium on Visual Analytics Science and Technology (VAST), 2010, 2011, 2012, 2018
Transactions on Computer-Human Interaction, 2014, 2019, 2020
Transactions on Social Computing, 2017

Transactions on Visualization and Computer Graphics, 2015

Memberships
Association for Education in Journalism and Mass Communication (AEJMC), 2019 – present
Association for Computing Machinery (ACM), 2006 – present
International Communication Association (ICA), 2016 – present
Institute of Electrical and Electronics Engineers (IEEE), 2002 – 2010
National Association of Science Writers (NASW), 2009
Tau Beta Pi national engineering honor society
Phi Beta Kappa national honor society

Advisory Boards
Science Advisory Board, Observatory for Online Human and Platform Behavior, Northeastern
    University, 2022—present
Media Futures Center, University of Bergen, 2021—present
International Advisory Board, News Angler Project, University of Bergen, 2018—present

University
Technology and Social Behavior (TSB) Director of Graduate Studies (Northwestern, 2020-2024)
Technology and Social Behavior PhD. Admissions Committee (Northwestern, 2018-2022)
Artificial Intelligence @ NU Committee (Northwestern, 2020-2022)
Department of Communication Studies Graduate Curriculum Committee (Northwestern, 2020-2022)
Department of Communication Studies Faculty Search Committee (Northwestern, 2019; 2021 chair)
Master of Science in Artificial Intelligence (MSAI) Internal Advisory Board (Northwestern, 2018)
Computer Science + Journalism Faculty Search Committee (Northwestern, 2018)
Media, Technology, and Society Admissions Committee (Northwestern, 2018)
Campus Visualization Partnership (UMD, Division of IT, 2014—2016)
Ph.D. Committee (UMD, College of Journalism, 2014—2017)
Program, Courses, and Curricula Committee (UMD, College of Journalism, 2015—2017)
Research Council (UMD Campus, 2015—2017)
Intel Opportunity Scholars Mentor (Georgia Tech, 2003 – 2008)
Graduate Student Council Faculty Recruiting Liaison (Georgia Tech, 2007)
Graduate Student Council CS Ph.D. Recruiting Liaison (Georgia Tech, 2008)

COURSES TAUGHT

Computational Communication, Winter 2021, Spring 2022
MTS 525, Northwestern University

The Practice of Scholarship, Winter 2022
MTS 503, Northwestern University

Knight Lab Studio, Winter 2019, Winter 2020
COMM 395, JOUR 342/442, EECS 397/497, Northwestern University

Storytelling with Data Visualization, Fall 2018
COMM 395, Northwestern University

Algorithmic News Media, Spring 2018, Winter 2020
COMM 395 (undergraduate) and MTS 525 (graduate), Northwestern University

Computational Journalism, Spring 2016, 2017
JOUR 479V / 779V, University of Maryland

Storytelling with Data Visualization, Spring 2015, Fall 2015, 2016
JOUR 479D / 779D, University of Maryland

Interactive Multimedia Storytelling, Fall 2014
JOUR 354 / 654, University of Maryland

Human Interaction with Technology and Information, Spring 2011
CSCI 10, Drew University

DISSERTATION COMMITTEES

Advisor. Daniel Trielli. Searching for news: How Google shapes the availability of journalistic information. Northwestern University. Media, Technology, and Society.

Committee. Chau Tong. The Political Use of Search Engines: Partisans' Patterns of Use and Partisan Personalization in Google Search Results. University of Wisconsin-Madison PhD in Mass Communication. Completed 2021.

Committee. Mark Diaz. Toward Better Bias: Evaluating Algorithmic Social Bias in Context. Northwestern University. Technology and Social Behavior. Completed 2020.

Committee. Scott Cambo. Model Positionality: A Novel Machine Learning Framework for Subjective Target Concepts. Northwestern University. Technology and Social Behavior. Completed 2020.

Committee. Miriam Boon. Computational approaches to detection of narrative frames in news. Northwestern University. Technology and Social Behavior. Completed 2019.

Committee. Karin Assmann. Who's in charge? Audience Inclusion or Intrusion? Journalists' Arrangements with Their Audiences. University of Maryland, College Park. College of Journalism. Completed 2019.

Committee. Boya Xu. Understanding Sticky News: Analyzing the Effect of Content Appeal and Social Engagement for Sharing Political News Online. University of Maryland, College Park. College of Journalism. Completed 2018.

Committee. Cody Buntain. Discovering Credible Events in Near Real Time from Social Media Streams. University of Maryland, College Park. Department of Computer Science. Completed 2016.

Committee. Tetyana Lokot. Augmented Dissent: The Affordances of ICTs for Citizen Protest (A Case Study of the Ukraine Euromaidan Protest of 2013-2014). University of Maryland, College Park. College of Journalism. Completed 2016.

Advisor (external). Eirik Stavelin. Computational Journalism: When Journalism Meets Programming. University of Bergen, Norway. Department of Information Science and Media Studies. Completed 2014.

PERSONAL INTERESTS AND HOBBIES

Latin dancing and performance (Salsa, Bachata), Photography, Improv Theater, Travel

LANGUAGES

Native English, Conversational German (written and spoken), Intermediate Spanish (written and spoken), basic Norwegian (written and spoken), dabbler in Greek, Arabic, French

CITIZENSHIP

United States of America