

CURRICULUM VITAE

**NICHOLAS A. DIAKOPOULOS**

+1 (404) 509 9974 mobile | [nicholas.diakopoulos@gmail.com](mailto: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**  
Assistant Professor, School of Communication, Dept. of Communication Studies 8/2017– present  
Assistant Professor (by courtesy), Dept. of Electrical Eng. and Computer Science 5/2018-present
- 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

- 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
- Summer 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

Assessing the Role of Platform Algorithms in Shaping News Attention – \$500,000 as PI from the National Science Foundation	(2017-2020)
Algorithms List – \$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 Social Media Sources. – \$250,000 as Co-PI from the NSF	(2010 – 2013)
Computing Innovation Fellow – \$267,500 from the NSF via CRA	(2009 – 2011)

## AWARDS AND HONORS

Research Communicator Impact Award (University of Maryland, College Park, 2016)  
 Best Paper Honorable Mention (CHI Conference, 2016 – Top 5% of papers)  
 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 AND PATENTS

### Journal Papers

1. 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.
2. K. Assmann, N. Diakopoulos. Negotiating Change: Audience Engagement Editors as Newsroom Intermediaries. *#ISOJ Journal*. April, 2017.
3. N. Diakopoulos and M. Koliska. Algorithmic Transparency in the News Media. *Digital Journalism*. 2016.
4. T. Lokot and N. Diakopoulos. News Bots: Automating News and Information Dissemination on Twitter. *Digital Journalism*. 2016.
5. 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.
6. N. Diakopoulos. Picking the NYT Picks: Editorial Criteria and Automation in the Curation of Online News Comments. *#ISOJ Journal*. April, 2015.

7. N. Diakopoulos. Algorithmic Accountability: Journalistic Investigation of Computational Power Structures. *Digital Journalism*. 2015.
8. 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.
9. J. Hullman and N. Diakopoulos. Visualization Rhetoric: Framing Effects in Narrative Visualization. *Trans. on Visualization and Computer Graphics*. 2011. (26% acceptance rate)
10. N. Diakopoulos, P. Stephenson. Anti-Aliased Lines Using Run-Masks. *Computer Graphics Forum*, vol. 24, no. 2, 2005.

### Refereed Conference Papers

11. D. Trielli, J. Stark and N. Diakopoulos. Algorithm Tips: A Resource for Algorithmic Accountability in Government. Proc. Computation + Journalism Symposium. September, 2017.
12. J. Stark and N. Diakopoulos. Towards Editorial Transparency in Computational Journalism. *Proc. Computation + Journalism Symposium*. September, 2016.
13. 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)
14. 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)**
15. 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)
16. 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)
17. 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)
18. 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.
19. 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.
20. 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.
21. 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)
22. J. Hullman, N. Diakopoulos, E. Adar. Contextifier: Automatic Generation of Annotated Stock Visualizations. Proc. Conference on Human Factors in Computing Systems (CHI). May 2013.
23. 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



41. B. Shneiderman, C. Plaisant, M. Cohen, S. Jacobs, N. Elmqvist, N. Diakopoulos. Designing the User Interface (DTUI). 6<sup>th</sup> Edition. Pearson. May, 2016.

### **Book Chapters, Technical Reports, and Magazine Articles**

42. N. Diakopoulos. The Algorithms Beat. *Data Journalism Handbook*. Eds. Liliana Bornegru and Jonathan Gray. November, 2018.
43. 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
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. N. Diakopoulos. Accountability in Algorithmic Decision Making: A view from Computational Journalism. *Communications of the ACM (CACM)*. Feb, 2016.
50. N. Diakopoulos. Algorithmic Accountability Reporting: On the Investigation of Black Boxes. Tow Center for Digital Journalism at Columbia University. January 2014.
51. N. Diakopoulos. Cultivating the Landscape of Innovation in Computational Journalism. Tow-Knight Center for Entrepreneurial Journalism at CUNY. April 2012.
52. 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.

### **Refereed Posters, Extended Abstracts, Demonstrations, and Videos**

53. D. Trielli and N. Diakopoulos. Defining the Role of User Input Bias in Personalized Platforms. *Proc. ICWSM Workshop on Algorithmic Personalization and News*. 2018.
54. Y. Wang and N. Diakopoulos. Considerations for Article-Level Personalization of News Content. *Proc. ICWSM Workshop on Algorithmic Personalization and News*. 2018.
55. J. Stark and N. Diakopoulos. Using Baselines for Algorithm Audits. *European Conference on Data and Computational Journalism*. July, 2017.
56. 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.
57. 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.
58. 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.

59. Z. Yu, N. Diakopoulos, M. Naaman. The Multiplayer: Multi-perspective Social Video Navigation. In Proc. Addendum of User Interface Software Technology (UIST). October 2010.
60. N. Diakopoulos. Game-y Information Graphics. Conference on Human Factors in Computing Systems (CHI) Works in Progress. April 2010.
61. 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.
62. 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.
63. 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.

### **Workshop Papers**

64. 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.
65. N. Diakopoulos, A. Zhang, A. Salway. Visual Analytics of Media Frames in Online News and Blogs. IEEE InfoVis Workshop on Text Visualization. 2013.
66. N. Diakopoulos. Visual Analytics of Blog Corpora for Communication Scholars. IEEE InfoVis workshop on Interactive Visual Text Analytics. October 2012.
67. 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.
68. N. Diakopoulos. Design Challenges in Playable Data. CHI Workshop on Gamification. May, 2011.
69. N. Diakopoulos, I. Essa. Modulating Video Credibility via Visualization of Quality Evaluations. WWW Workshop on Information Credibility on the Web (WICOW). April, 2010.
70. 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.
71. K. Luther and N. Diakopoulos. Distributed Creativity. Creativity and Cognition Workshop on Supporting Creative Acts Beyond Dissemination. June 2007.
72. N. Diakopoulos, I. Essa. Supporting Personal Media Authoring . ACM Multimedia workshop on Multimedia for Human Communication (MHC). November 2005.
73. 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.
74. N. Diakopoulos and S. Volmer. Temporally Tolerant Video Matching. SIG IR Multimedia Information Retrieval Workshop. August 2003

### **Works in Public Media**

75. N. Diakopoulos. Reporting in a Machine Reality: Deepfakes, misinformation, and what journalists can do about them. Columbia Journalism Review. May, 2018
76. N. Diakopoulos. The bots beat: How not to get punked by automation. Columbia Journalism Review. April, 2018.
77. D. Trielli and N. Diakopoulos. How to report on algorithms even if you're not a data whiz. Columbia Journalism Review. May, 2017.
78. N. Diakopoulos and S. Friedler. How to Hold Algorithms Accountable. MIT Technology Review. November, 2016.

79. N. Diakopoulos. BuzzFeed's pro tennis investigation displays ethical dilemmas of data journalism. *Columbia Journalism Review (CJR)*. November, 2016.
80. D. Trielli and N. Diakopoulos. How Google Shapes the News You See About the Candidates. *Slate*. November, 2016.
81. D. Trielli, S. Mussenden, J. Stark, N. Diakopoulos. Googling Politics: How the Google issue guide on candidates is biased. *Slate*. June, 2016.
82. N. Diakopoulos. We need to know the algorithms the government uses to make important decisions about us. *The Conversation*. May, 2016.
83. 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.
84. N. Diakopoulos. How to Hold Governments Accountable for the Algorithms They Use. *Slate*. Feb. 2016
85. D. Trielli, S. Mussenden, N. Diakopoulos. Why Google Search Results Favor Democrats. *Slate*. Dec. 2015
86. N. Diakopoulos, S. Cass. Top Programming Languages Ranking. *IEEE Spectrum*. 2014, 2015, 2016
87. N. Diakopoulos. How Uber Surge Pricing Really Works. *Washington Post*. April, 2015
88. N. Diakopoulos. Bots on the Beat. *Slate*. April, 2014
89. N. Diakopoulos. Sex, Violence, and Autocomplete Algorithms. *Slate*. August, 2013
90. 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 Tablet Display. US Patent #7,686,682 B2. March 30, 2010.

#### **SELECTED PRESENTATIONS AND INVITED TALKS**

1. UK Conference of Science Journalists. "Algorithmic Accountability Reporting". Invited Speaker. London, UK. October, 2018.
2. SciCAR Conference. "How Newsrooms are Adapting to Advances in Artificial Intelligence". Invited Speaker. Dortmund, Germany. September, 2018.
3. ICWSM Workshop on News and Public Opinion. "News Bots: Agents of Information or Automated Sociopaths?". Invited Keynote. Palo Alto, CA. June, 2018.
4. KDD Workshop on Data Science + Journalism. "Journalistic Data Mining" Invited Keynote. Halifax, Canada. August, 2017.
5. European Investigative Journalism and Dataharvest Conference. "The Power of Algorithms" Invited Keynote. Mechelen, Belgium. May, 2017.
6. Algorithms and Explanations Conference. "Explainability in Context – Media" Invited Panel. New York, NY. April, 2017
7. International Journalism Festival. "Collaborating with Algorithms" Invited Panel. Perugia, Italy. April, 2017.
8. University of Cambridge. "Algorithmic Accountability and Transparency: A View from Computational Journalism" Invited Talk. Cambridge, England. March, 2017.
9. University of Helsinki. "Computational Journalism and Computational Thinking" and "News Bots Design Workshop". Invited Talks. Helsinki, Finland. March, 2017.



10. Hans Bredow Institute for Media Research. “The Algorithmic Newsboys: Google and Facebook in the 2016 US Elections”. Invited Talk. Hamburg, Germany, December, 2016.
11. Columbia University Communication PhD Colloquium. “Algorithmic Accountability and Transparency in the News Media”. Invited Talk. New York, New York, November 2016.
12. Salzburg Academy on Media and Global Change. “Algorithmic Accountability and Transparency in the News Media”. Invited Talk. Salzburg, Austria, July 2016.
13. International Communication Association (ICA), “Automation as an Editorial Act”. Juried Panel. Fukuoka, Japan, June 2016.
14. Human Computer Interaction Lab Symposium, “Algorithmic Transparency in the User Interface”, Plenary Talk. College Park, MD, May, 2016.
15. Nordic Data Journalism Conference (NODA). “Algorithmic Accountability and Transparency”, Keynote Speaker. Helsinki, Finland, April 2016.
16. Social News on the Web (SNOW). “Enhancing Journalistic Curation of Online News Comments”. Keynote Speaker. Montreal, Canada, April 2016.
17. International Journalism Festival. “Can a robot do my job?” and “Creating community: how effective curation of interactive spaces can bring readers together”. Invited Panelist. Perugia, Italy, April, 2016.
18. NICAR Conference. “Algorithmic Accountability: Case Studies from the Field”, Panel, Denver, CO, March, 2016
19. Max Planck Institute. “Algorithmic Accountability and Transparency: A View from Computational Journalism” Invited Talk. Saarbruecken, Germany. Feb. 2016.
20. New America Foundation. “The Tyranny of Algorithms.” Invited Panelist. Washington, DC. Dec. 2015
21. Virginia Tech. “Algorithmic Accountability and Transparency: A View from Computational Journalism” Invited Talk. Blacksburg, VA. Dec. 2015
22. Hacks / Hackers Berlin. “Algorithmic Accountability”. Invited Talk. Berlin, Germany. July 2015.
23. IRE Conference. “Investigating Black Boxes”. Invited Panel. Philadelphia, PA. June 2015.
24. Appalachian State University. “Algorithmic Accountability: Developing a Critical Stance Towards the Algorithms in our Lives”. Invited Talk. Boone, NC. April 2015.
25. NICAR Conference. “From words to pictures: Text analysis and visualization.” Invited speaker. Atlanta, GA, March 5, 2015
26. New Practices in Journalism at Sciences Po. “Anatomy of a Robot Journalist” Invited speaker. Paris, France, December 8, 2014.
27. World Economic Forum. “Accountability in a Data-Driven World” Invited panelist. New York, October 22, 2014.
28. HCI Group at University of Illinois (UIUC). “Computational Journalism: From Tools to Algorithmic Accountability”. Urbana, IL, September 2014.
29. Online News Association (ONA) Annual Conference. “Algorithms, Journalism, Democracy”. Invited Talk. Chicago, IL, September 2014.
30. University of Maryland Campus Visualization Partnership Lecture Series. “The Virtues of Text in Data Visualization”. Invited Talk. College Park, MD, September 2014
31. AEJMC Conference. “Apps, Algorithms, and Platforms: Emerging Objects of Digital Journalism”. Juried Panel. Montreal, Canada, August 2014.
32. Quantifying Journalism: Data, Metrics, and Computation Conference. “Algorithmic Accountability Reporting: On the Investigation of Black Boxes.” Invited Talk. New York, NY, May 2014

33. REACTION Workshop on Computational Journalism. “Computational Journalism: From Tools to Algorithmic Accountability.” Invited Keynote. Porto, Portugal. April 2014.
34. Journalism Interactive Conference. “Algorithmic Accountability Reporting: On the Investigation of Black Boxes.” Invited Keynote. College Park, MD, April 2014
35. NICAR Conference. “Holding Algorithms Accountable.” Panel. February 2014
36. UNESCO International Conference on the “Memory of the World in the Digital Age: Digitization and Preservation”. Invited talk. Vancouver, BC, September 2012.
37. N. Diakopoulos. Innovation and Computing in Journalism. Invited talk at Northwestern University, Evanston, IL, May 2012.
38. N. Diakopoulos. Innovation and Computing in Journalism. Invited talk at the University of Hong Kong, Hong Kong, March 2011.
39. N. Diakopoulos. What’s the Story with Data? Invited talk for DIY Days NYC, Parsons New School, New York, NY, March 2011.
40. N. Diakopoulos. Towards Quality Discourse in Online News Comments. Invited talk for UNESCO Iraqi Study Tour, Rutgers University, New Brunswick, NJ, January 2011.
41. N. Diakopoulos. Discount Usability: Methods and Application. Invited Talk at the Associated Press (AP), New York, NY, December, 2010.
42. N. Diakopoulos. Playable Data. Invited Talk to the Journalism Research Group, University of Bergen, Bergen, Norway, September, 2010.
43. N. Diakopoulos. Social Media Visual Analytics for Journalistic Inquiry. Invited Talk to the Journalism Research Group, University of Bergen, Bergen, Norway, May, 2010.
44. N. Diakopoulos. Computational Journalism: Visual Analytics for Journalistic Inquiry. Invited Talk at American Public Media / Minnesota Public Radio, St. Paul, MN, May, 2010.
45. N. Diakopoulos. Computational Journalism: Visual Analytics for Journalistic Inquiry. Invited Talk at IBM Research, Cambridge, MA, April, 2010
46. N. Diakopoulos. Computational Journalism: Visual Analytics for Journalistic Inquiry. Invited Lecture to Computational Journalism Class, Georgia Tech, Atlanta, GA, April 2010
47. N. Diakopoulos. Computational Journalism: Commenting on the News. Invited Talk at University of Michigan, Ann Arbor, MI, March 2010.
48. N. Diakopoulos. Computational Journalism: Commenting on the News. Invited Talk at Michigan State University (MSU), East Lansing, MI, February 2010.
49. N. Diakopoulos. Computational Journalism: Commenting on the News. LIS Lunch Talk at Rutgers University, New Brunswick, NJ, February 2010.
50. N. Diakopoulos. Commenting on the News. Invited Talk to the Norwegian Online News Association (NONA), Bergen, Norway, October 2009.
51. N. Diakopoulos. Computational Media: Annotation, Interaction, Communication. Invited Talk at Fuji Xerox Palo Alto Laboratory (FXPAL), Palo Alto, CA, July 2009.
52. B. Stenger and N. Diakopoulos. Computational Journalism: Content, Interfaces, Services, Business Models. Presentation at OSCON, San Jose, CA, July 2009.
53. N. Diakopoulos. Computational Media: Annotation, Interaction, Communication. Invited Talk at Yahoo! Research, Sunnyvale, CA, May 2009.
54. N. Diakopoulos. Computational Media: Annotation, Interaction, Communication. Invited Talk at Telefónica Investigación y Desarrollo (TID), Barcelona, Spain, May 2009.
55. N. Diakopoulos. Computational Journalism. Presentation at The New York Times, New York, NY, April 2009.

## PROFESSIONAL AND ACADEMIC SERVICE

### Community and Conference Leadership Activities

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

### Program Committees

Conference on Human Factors in Computing Systems (CHI), 2019 (Associate Chair)  
 International Conference on Web and Social Media (ICWSM) Program Committee: 2014, 2015;  
 Senior Program Committee: 2016, 2017, 2018  
 Conference on Fairness, Accountability, and Transparency (FAT\*), 2018  
 Journalism, Misinformation, and Fact Checking, World Wide Web Conference, 2018  
 Computation + Journalism Symposium (Committee), 2016, 2017, 2018  
 European Data and Computational Journalism Conference (Committee), 2017, 2018  
 Data Science, Journalism, and Media Workshop @ KDD (Committee), 2018  
 News and Public Opinion Workshop @ ICWSM (Committee), 2016, 2017, 2018  
 Social News on the Web (Committee), 2017  
 Social Media in the Newsroom ICWSM Workshop (Committee), 2016  
 EuroVis: Conference on Visualization, (Short Papers Committee), 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) at the Conference on Information and Knowledge  
 Management, 2008

### Editorial Boards

Digital Journalism, 2014—

### Policy

US-ACM, Working Group on Algorithmic Accountability; Digital Governance Committee, 2016—

### Grant Reviewing

Brown Institute for Media Innovation, Columbia University, 2013 – 2017  
 Knight Foundation, News Challenge, 2015  
 National Endowment for the Humanities, Digging into Data, 2016  
 Open Society Foundation, Information Program, 2017

### Conference and Journal Reviewing

ACM SIGGRAPH, 2007 – 2008  
 Big Data & Society, 2017  
 Computer Supported Cooperative Work (CSCW), 2008, 2010 – 2018  
 Conference on Human Factors in Computing Systems (CHI), 2006 – 2018  
 Digital Journalism, 2014 – 2018  
 EuroVis, 2011 – 2016  
 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 Conference on Intelligent User Interfaces (IUI), 2010  
 International World Wide Web Conference (WWW), 2010  
 Journalism, 2015, 2016  
 Journalism Practice, 2017  
 Journalism Theory, Practice, Criticism, 2014  
 Journal of Communication, 2015, 2017  
 Computers in Human Behavior, 2016  
 Journal of Computer Mediated Communication, 2014, 2015, 2017  
 New Media & Society, 2015, 2016, 2017  
 New Review of Hypermedia, 2014  
 Political Communication, 2016  
 Social Media & Society, 2016  
 Symposium on User Interface Software and Technology (UIST), 2004 – 2012  
 Symposium on Visual Analytics Science and Technology (VAST), 2010, 2011, 2012, 2018  
 The International Journal of Press/Politics, 2014  
 Transactions on Visualization and Computer Graphics, 2015  
 Transactions on Computer-Human Interaction, 2014

### Memberships

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

### University

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)  
 Technology and Social Behavior 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

### Algorithmic News Media, Spring 2018

Curriculum development for a new seminar for PhD students, and a new design-oriented class for undergraduates.

### Interactive Multimedia Storytelling (JOUR 353, 355 / 655), Fall 2014

CNS Studio C project mentorship, led to student project presented at Journalism Interactive 2015

### Storytelling with Data Visualization (JOUR 479D / 779D), Spring 2015, Fall 2015, Fall 2016

Curriculum development for new course on data visualization

**Computational Journalism (JOUR 479V / 779V), Spring 2016, Spring 2017**

Curriculum development for new course on computational journalism

**DISSERTATION COMMITTEES**

Committee. Karin Assmann. Who's in charge? Audience Inclusion or Intrusion? Journalists' Arrangements with Their Audiences. University of Maryland, College Park. College of Journalism. 2018.

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

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