## Susan E. McGregor

Data Science Institute Columbia University 550 W. 120th St., Suite 1401 New York, NY 10027

Education

Email: sem2196@columbia.edu Web: susanemcgregor.com GitHub: https://github.com/susanemcg YouTube: susane mcg

Steinhardt School of Culture, Education, and Human Development, New York University M.A. in Educational Communication and Technology Capstone project: Aesthetic Perspectives: Museum Learning Through User-Generated Narratives	2008 - 2011
Special Concentrations Department, Harvard University B.A. in Interactive Information Design Self-designed uncergraduate major comprising coursework in computer science, cognitive psychology and visual and information design	2001 - 2005
Employment	
Associate Research Scholar, Data Science Institute, Columbia University My work at the Data Science Institute on is centered on security and privacy issues affecting journalists and media organizations. Current research projects include work on using cryptography to secure digital publishing through stronger authentication and provenance guarantees, as well as develop novel classifiers for detecting abusive and harassing speech used to censor journalists on Twitter.	2020 - present
Assistant Director, <i>Tow Center for Digital Journalism, Columbia Journalism School</i> My work at the Tow Center centers on student and faculty programming, in addition to organizing our publication workflow. Every semester, I organize a series of workshops and panel events called "Tow Teas" that highlight the skills and issues most relevant to our students as they enter the field. I also collate Tow research findings for faculty use in the classroom, and manage the digital and print publication process for Tow reports. I also coordinate the advising process for the students in our Journalism & Computer Science Dual Degree program.	2013 - 2020
Assistant Professor, Columbia University Graduate School of Journalism	2011 - 2020

As an Assistant Professor, I pioneered the integration of data journalism topics into the Journalism School curriculum–first through 3-session modules in our legacy "Digital Journalism" concentration, and, since 2012, the design and teaching of the first 7-week Data I modules. In these and my spring Data Visualization courses, I have led in the use of flipped-classroom techniques, successfully teaching the basics of Python, JavaScript and web technologies to novices for more than 7 years. I have also co-taught two storytelling-related electives in the School of Engineering, and developed both the journalism seminar "Tactical Technology for Reporting," and an Investigative Techniques course specifically for our dual-degree students in Journalism and Computer Science.

In addition to my academic research work in information security and privacy for journalists, I continue to develop applied research projects for reporting and publishing, including:

The Political Visual Literacy Project: A mobile app to help journalists identify unfamiliar political imagery from the field in real-time	2019
You Are Here: An experimental, open-source, offline-wireless news distribution system	2016
InfoScribe: A crowd-sourced, computer-human document transcription system for investigative journalism	2014
DataDocs: An interactive graphics framework for web video	2013
<i>Dispatch</i> : A secure, authenticated, anonymous mobile communication and publishing app for journalists	2012

2007 - 2011

I arrived at *The Wall Street Journal* one month before the launch of the iPhone, and departed one year after the launch of the iPad—a transformative period in digital publishing. During this time, I re-engineered the development and deployment process for news graphics across WSJ.com through the creation of data-driven interactives. I also managed all online graphics coverage for the 2008 elections and developed dozens of major custom projects.

Senior Programmer, Online News Graphics, The Wall Street Journal

Web Producer, MediaVast Inc.	2006 - 2007
At MediaVast, I developed a scalable, customized slideshow application used across MediaVast properties, as well as a rapid design and deployment process for customized special-event landing pages. In this role I also managed internal and external business relationships, reporting directly to the company CTO.	
Freelance journalist, The New York Amsterdam News	2005 - 2007

In addition to writing 3-5 articles weekly, I authored a four-week cover series called "Poor in New York" that examined the workings of public services through one New Yorker's interaction with them.

## **Scholarly Publications**

### Books

Susan E. McGregor. Practical Python Data Wrangling and Data Quality. Sebastopol, CA: O'Reilly Media, Forthcoming, 2021. **Susan E. McGregor**. Information Security Essentials: A Guide for Journalists, Editors and News Organizations. New York, NY: Columbia University Press, Forthcoming, 2021.

### **Book Chapters**

- **Susan E. McGregor**. "Authenticating Online Media," edited by Marc Ambinder and Connie Rosati. Center for the Study of Ethics of the Rule of Law. Oxford University Press, *Forthcoming*, 2020.
- Susan E. McGregor and Alon Halevy. "Opportunities and Challenges in Data Journalism." In *Computation for Humanity: Information Technology to Advance Society*, edited by Justyna Zander and Pieter J.Mosterman. CRC Press, 2013.

### Archival Conference Proceedings (Peer Reviewed)<sup>1</sup>

- Arora, Ishaan, Julia Guo, Sarah Ita Levitan, Susan McGregor, and Julia Hirschberg. "A Novel Methodology for Developing Automatic Harassment Classifiers for Twitter." In *Proceedings of the Fourth Workshop on Online Abuse and Harms*, 7–15. Association for Computational Linguistics, November 2020.
- Rohan Kshirsagar, Tyrus Cukuvac, Kathy McKeown, and **Susan McGregor**. "Predictive Embeddings for Hate Speech Detection on Twitter." In *Proceedings of the 2nd Workshop on Abusive Language Online (ALW2)*, 26–32. 2018.
- Susan E. McGregor, *Elizabeth Watkins, Mahdi Nasrullah Al-Ameen*, Kelly Caine, and Franziska Roesner. "When the Weakest Link is Strong: Secure Collaboration in the Case of the Panama Papers." In *26th USENIX Security Symposium (USENIX Security 17)*. (Acceptance rate 16.3%). USENIX Association, 2017.
- *Elizabeth Anne Watkins, Mahdi Nasrullah Al-Ameen,* Franzi Roesner, Kelly Caine, and **Susan E. McGregor**. "Creative and Set in Their Ways: Challenges of Security Sensemaking in Newsrooms." In 7th USENIX Workshop on Free and Open Communications on the Internet (FOCI 17). USENIX Association, 2017.
- *Elizabeth Anne Watkins*, Franziska Roesner, **Susan McGregor**, *Byron Lowens*, Kelly Caine, and *Mahdi Nasrullah Al-Ameen*. "Sensemaking and Storytelling: Network Security Strategies for Collaborative Groups." In *International Conference on Collaboration Technologies and Systems (CTS)*, 622–623. IEEE, 2016. doi:10.1109/CTS.2016.0118.
- Susan E. McGregor, *Polina Charters, Tobin Holliday*, and Franziska Roesner. "Investigating the Computer Security Practices and Needs of Journalists." In *24th USENIX Security Symposium (USENIX Security 15)*. (Acceptance rate 15.7%). USENIX Association, 2015.
- Kanak Biscuitwala, Willem Bult, T. J. Purtell Mathias Lecuyer, Madeline K. B. Ross, Augustin Chaintreau, Chris Haseman, Monica S. Lam, and Susan E. McGregor. "Secure, Resilient Mobile Reporting." In Proceedings of the ACM SIGCOMM 2013 Conference (SIGCOMM '13). (Acceptance rate 15.4%). 2013.
- Kanak Biscuitwala, Willem Bult, Mathias Lecuyer, T. J. Purtell, Madeline K. B. Ross, Augustin Chaintreau, Chris Haseman, Monica S. Lam, and **Susan E. McGregor**. "Weaving a Safe Web of News." In *Proceedings of the First Workshop on Social News on the Web (SNOW)* @ *WWW '13*. (Acceptance rate 15%). 2013.

### **Journal Articles (Peer Reviewed)**

**Susan E. McGregor**. "Private Actors, Public Consequences." *SAIS Review of International Affairs* (Washington, DC), no. 2 (2018).

1. Names of student/post-doc authors are *italicized*.

- Susan E. McGregor, *Elizabeth Watkins*, and Kelly Caine. "Would you Slack That? The Impact of Security and Privacy on Cooperative Newsroom Work." (Acceptance rate: 27.3%), *Proceedings of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing* (New York, NY), CSCW '18, no. 2 (November 2017). doi:10.1145/3134710.
- Susan E. McGregor, Franziska Roesner, and Kelly Caine. "Individual versus Organizational Computer Security and Privacy Concerns in Journalism." (Acceptance rate: 23.8%), *Proceedings on Privacy Enhancing Technologies* 2016, no. 4, 418–435.
- Susan E McGregor and *Elizabeth Anne Watkins*. "Security by Obscurity': Journalists' Mental Models of Information Security." #/SOJ 6, no. 1 (2016): 33–50.
- Halevy, Alon, and **Susan E. McGregor**. "Data Management for journalism." *Bulletin of the IEEE Computer Society Technical Committee on Data Engineering* 35, no. 3 (2012).

#### White Papers

- **Susan E. McGregor** and Hugo Zylberberg. "Understanding the General Data Protection Regulation: A Primer for Global Publishers." Tow Center for Digital Journalism, March 2018.
- **Susan E. McGregor**. "You Are Here: Site-Specific Storytelling Using Offline Networks." Tow Center for Digital Journalism, August 2017.
- Susan E. McGregor. "Privacy, Big Data and the Internet." In *Proceedings of the Conference on Internet Governance and Cyber Security*, 46–50. Columbia University School of International Public Affairs / the Global Commission on Internet Governance, 2015.
- Susan E. McGregor and Matteo Farinella. "Understanding Your Internet: The Five W's of Information Online," September 2014.
- **Susan E. McGregor**. "Digital Security and Source Protection for Journalists." Tow Center for Digital Journalism, July 2014.

### Journalistic Publications

#### Columbia Journalism Review

- Susan E. McGregor. "New EU regulations will have serious implications for newsrooms worldwide." Columbia Journalism Review. March 2018.
- **Susan E. McGregor**. "The 'huge issue' with identifying original content from media outlets." Columbia Journalism Review. July 2017.
- Susan E. McGregor. "Legalized sale of browser histories should worry journalists." Columbia Journalism Review. April 2017.
- **Susan E. McGregor**. "A simple step to make news sites more secure." Columbia Journalism Review. December 2016.
- Susan E. McGregor. "Why DDoS attacks matter for journalists." Columbia Journalism Review. October 2016.
- Susan E. McGregor. "Manning verdict not a win for journalism." Columbia Journalism Review. August 2013.
- Susan E. McGregor. "Lessons for journos in the NSA revelations." Columbia Journalism Review. June 2013.
- Susan E. McGregor. "AP phone records seizure reveals telecom's risks for journalists." Columbia Journalism Review. May 2013.
- Susan E. McGregor. "CAR hits the mainstream." Columbia Journalism Review. March 2013.

Susan E. McGregor. "Gun permit data wasn't maximized." Columbia Journalism Review. January 2013.

The Guardian

- **Susan E. McGregor**. "Hillary Clinton's private email use isn't shocking and that's the problem." The Guardian. July 2016.
- **Susan E. McGregor**. "Apple isn't protecting a shooter's iPhone data they're defending digital privacy." The Guardian. February 2016.

The Wall Street Journal (selected)

- Angwin, Julia, Emily Steel, Scott Thurm, Christina Tsuei, Paul Antonson, Jill Kirschenbaum, Jovi Juan, Andrew Garcia Phillips, Sarah Slobin, **Susan McGregor**, Tom McGinty, and Jennifer Valentino-DeVries. "What They Know." The Wall Street Journal. 2010.
- Baksh, Stokely, Becky Bright, Angela Calderon, Ana Campoy, Seth Hamblin, Neil Hickey, Jovi Juan, Neil King, Hector Mata, **Susan McGregor**, John Miller, Adam Najberg, Mark Scheffler, Hilke Schellman, and Kurt Wilberding. "The Faces of Health Care." The Wall Street Journal. 2010.
- Reporting: Stephen Grocer; Design: Kurt Wilberding, **Susan McGregor**; Development: **Susan McGregor**. "Lehman Diaspora." The Wall Street Journal. 2009.
- Reporting: Michael Corkery; Design: Kurt Wilberding, **Susan McGregor**; Development: **Susan McGregor**. "Lennar's Big Deal." The Wall Street Journal. 2009.
- Reporting: Phil Izzo, Jennifer Valentine-DeVries; Design/Development: **Susan McGregor**. "U.S. Unemployment: An Historical View." The Wall Street Journal. 2009.
- Reporting: Associated Press; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "Iraq and Afghanistan Casualty Count." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "Lessons Learned." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "State by State." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "Primary Jam." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "The 2008 Money Race." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "The Changing Skyline of Lower Manhattan." The Wall Street Journal. 2008.
- Reporting: Jennifer S. Forsyth and Leslie Eaton; Design: WSJ.com News Graphics; Development: **Susan Mc-Gregor**. "Dallas's DNA Exonerations." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: Paul Antonson, Jovi Juan; Development: **Susan McGregor**. "Quake's Fallout." The Wall Street Journal. 2008.
- Reporting:WSJ; Design: Paul Antonson; Development: **Susan McGregor**. "Tour De France, 2008." The Wall Street Journal. 2008.
- Reporting: Kelly Crow; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "Art's Ten Most-Wanted Works." The Wall Street Journal. 2008.

- Reporting: Katherine Rosman; Design: WSJ.com News Graphics; Development: **Susan McGregor**. "Ah, Vanity." The Wall Street Journal. 2008.
- Reporting: Annelena Lobb and Gabrielle Coppola; Design/Illustration: Paul Antonson; Development: **Susan Mc-Gregor**. "Harry Potter and the Fantastic Franchise." The Wall Street Journal. 2007.
- Reporting: Phil Izzo; Editing: Dave Petit; Design: Paul Antonson, Jovi Juan; Development: **Susan McGregor**. "Economic Forecasting Survey." The Wall Street Journal. 2007 - 2014.

The New York Amsterdam News

- **Susan E. McGregor**. "Metro Briefs: City and state report budget surpluses." *The New York Amsterdam News*, January 2006.
- Susan E. McGregor. "A dogfight for the title of Super Top Dog." The New York Amsterdam News, January 2006.

Susan E. McGregor. "Stringer's debut." The New York Amsterdam News, December 2005.

- Susan E. McGregor. "Quinn speaks for the City Council." The New York Amsterdam News, December 2005.
- Susan E. McGregor. "Metro Briefs: Dissatisfaction remains on both sides of transit deal." The New York Amsterdam News, December 2005.
- Susan E. McGregor. "'Narnia': These 'Chronicles' are for kids." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "Bridging the digital divide in developing countries." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "Hope for reducing heart disease in diabetics." *The New York Amsterdam News*, December 2005.
- **Susan E. McGregor**. "Kwanzaa alights at the Museum of Natural History." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "They come from far and wide." The New York Amsterdam News, December 2005.
- Susan E. McGregor. "Queens commuters grumble, but support TWU." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "Once again, it's showtime at the Apollo." The New York Amsterdam News, December 2005.
- Susan E. McGregor. "Stars and young artists party for the arts." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "Poor in New York, part 4: Employment just out of reach." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "The academic costs of 'acting white'." The New York Amsterdam News, December 2005.
- Susan E. McGregor. "Poor in New York, part 3: Insufficient insurance." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "Walk the Line' walks the walk." The New York Amsterdam News, December 2005.
- Susan E. McGregor. "Poor in New York, part 2: Welfare isn't working." *The New York Amsterdam News*, December 2005.
- Susan E. McGregor. "Sarah Keys Evans: Before the boycott." The New York Amsterdam News, December 2005.
- **Susan E. McGregor**. "Miers withdraws name from consideration." *The New York Amsterdam News*, November 2005.

- **Susan E. McGregor**. "Alito's nomination to court faces fierce opposition." *The New York Amsterdam News*, November 2005.
- **Susan E. McGregor**. "Report concludes that problems exist with voting machines." *The New York Amsterdam News*, November 2005.
- Susan E. McGregor. "More money slated for transit system." The New York Amsterdam News, November 2005.
- **Susan E. McGregor**. "Amid dirty campaigning, Corzine prevails in New Jersey." *The New York Amsterdam News*, November 2005.
- Susan E. McGregor. "Black woman elected president of Liberia." *The New York Amsterdam News*, November 2005.
- Susan E. McGregor. "Locating a legacy." The New York Amsterdam News, November 2005.
- Susan E. McGregor. "Apollo plays host ot good works." The New York Amsterdam News, November 2005.
- **Susan E. McGregor**. "Set It Off helps young Black businesswomen stand out." *The New York Amsterdam News*, November 2005.
- **Susan E. McGregor**. "'Harry Potter IV': Not for the faint of heart." *The New York Amsterdam News*, November 2005.
- Susan E. McGregor. "Poor in New York, part 1: Housing Hardships." *The New York Amsterdam News*, November 2005.
- Susan E. McGregor. "Slavery and the Making of New York'." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Bush nominates Miers to Supreme Court." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Volunteering has its rewards at RockCorps." *The New York Amsterdam News*, October 2005.
- Susan E. McGregor. "Jackson chastises Bush over the Davis-Bacon Act." *The New York Amsterdam News*, October 2005.
- Susan E. McGregor. "Report: limited access to food stamps contributes to obesity, hunger." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Bloomberg ducks debate at Apollo." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "New law tougher on bankruptcy." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Senseless census." The New York Amsterdam News, October 2005.
- **Susan E. McGregor**. "Child Tax Credit has not benefited children of color." *The New York Amsterdam News*, October 2005.
- Susan E. McGregor. "Metro Briefs: No Swipes for Sale." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "A voice for the unheard." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Trade not aid for African farmers." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Clinton stumps for Ferrer in the Bronx." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "Armstrong Williams may face prosecution." The New York Amsterdam News, October 2005.
- Susan E. McGregor. "And the winner is: 2005 Black Movie Awards." *The New York Amsterdam News*, October 2005.
- **Susan E. McGregor**. "Westchester realtors admit discrimination." *The New York Amsterdam News*, September 2005.

- Susan E. McGregor. "City still not in compliance with voting act." *The New York Amsterdam News*, September 2005.
- Additional Publications
  - **Susan McGregor**. "Short Guide to Reporting Security During a Pandemic." Columbia Journalism Review. April 2020.
  - Susan McGregor. "Memes, Antisemitism and the Press." Tow Center, via Medium. March 2019.
  - Alex Calderwood, Erin Riglin and Shreya Vaidyanathan. "How Americans Wound Up on Twitter's List of Russian Bots." Wired. Note: The bulk of this piece was reported and edited in the students' Spring 2018 Investigative Techniques class. July 2018.
  - Susan E. McGregor. "The Second Amendment Case for the Right to Bear Crypto." VICE Motherboard. May 2016.
  - Lam Thuy Vo, **Susan E. McGregor**, Joe Posner, and Joanna S. Kao. "Who Really Runs Washington?" Al Jazeera America. October 2015.
  - **Susan E. McGregor**. "Flipping' for Journalism Tech Education." In *Computation + Journalism Symposium (New York)*. October 2015.
  - Costantini, Cristina, Alice Brennan, Mark Gimein, and **Susan McGregor**. "It isn't easy being black in the Badger State." Fusion. September 2015.
  - Meek, Miki. "Cops See It Differently." This American Life. Provided additional data reporting. February 2015.
  - **Susan E. McGregor**. "Can mesh networks and offline wireless move from protest tools to news?" Nieman Lab. November 2014.
  - Brennan, Alice, Dan Lieberman, **Susan McGregor**, Javier Castro, Roberto Daza, Natasha Del Toro, and Rayner Ramirez. "Florida city's 'stop and frisk' nabs thousands of kids, finds 5-year-olds 'suspicious'." Fusion. May 2014.
  - Susan E. McGregor. "How to Teach Digital Security to Journalists." PBS Idea Lab. February 2014.

# Presentations

Invited Keynotes	
14th Annual Symposium on Usable Privacy and Security (SOUPS 2018, co-located with USENIX Security '18)   Baltimore, MD Invited keynote:"Usability Beyond the Individual"	August, 2018
International Symposium on Media Innovations   Oslo, Norway Invited keynote:"Reimagining Digital News Distribution"	October, 2016
European Journalism Centre's News Impact Summit   Stockholm, Sweden Invited keynote: "Securing Future Digital Sources"	November, 2015
O'Reilly Fluent Conference   San Francisco, CA Invited keynote: "Beyond Pushing Play: Interactive, Data-driven Videos for a Web-based World"	March, 2014
Invited Presentations and Panel Participation	
American Bar Assocation International   New York, NY Invited Panelist, "Cross-Border Election Interference, Free Speech, and the Internet"	April, 2020
The Tech Giants, Monopoly Power, and Public Discourse   Knight First Amendment Institute, Columbia University Invited Panelist, "Information plurality and integrity in an era of concentrated power"	November, 2019
Digital Urbansism Conference   Columbia GSAPP Moderator, "Data and Democracy"	October, 2019
Summer Research Institute (SuRI), EPFL   Lausanne, Switzerland Invited Talk, "Privacy is Security: Rethinking 'tradeoffs' in an era of infinite attack surface"	June, 2019
Italian Academy, Columbia University   New York, NY Invited Talk, "Antisemitism, Hate Speech, and Social Media"	February, 2019
Foreign Press Centers' International Reporting Tour   New York, NY Invited Presentation, "Media Literacy and Combating Disinformation"	October, 2018
STM US Annual Conference: Innovations Day   Philadelphia, PA Invited Panelist, "Digital Ethics and Data Literacy"	April, 2018
OURSA   CloudFlare HQ, San Francisco Invited Speaker, "Advocating for High-Risk Users." Declined due to temporary medical restrictions	April, 2018
Hacks/Hackers NYC   NYC Resistor Invited Speaker, "Digital Security Installfest!"	April, 2018
The Data Visionaries Series   Simon Fraser University Invited Speaker, "Accountability, Transparency, Responsibility: Using Data for Journalism"	March, 2018
GetOrganizedBK   Brooklyn, NY Invited Speaker, "Truth or Trump: Democracy and the Free Press"	June, 2017

Global Digital Futures Policy Forum   Columbia University Moderator, "Cyber Conflict and Democratic Institutions"	May, 2017
School of Interational Public Affairs   Columbia University Moderator, "Coding the Future: Embedding Identity in Tech Innovation, Security & Cyber"	April, 2017
Data Science Day   Columbia University Invited panelist, "Our Connected World: Privacy Protections Make Us More Secure"	April, 2017
Graduate Program in International Affairs   The New School Invited panelist, "The Future of Digital Journalism: What's at Stake"	March, 2017
Computational Models of Speech and Language   Columbia University Invited speaker, "Addressing Online Harassment as a Form of Censorship"	March, 2017
Media Freedom & Information Access Clinic   Yale Law School Invited panelist, "Protecting Sources and Secrets"	March, 2017
Internet Society Project   Yale Law School Invited panelist, "International Law of Whistleblowers Conference"	February, 2017
Connective Media Lunch   Cornell Tech Invited speaker, "Journalism and the Public Record: Open Questions in Digital Publishing"	December, 2016
From Data to Solutions   Columbia University Invited speaker, "Addressing Online Harassment as a Form of Censorship"	October, 2016
Columbia University's Global Center   Istanbul Invited panelist, "Hard News: Safety and Self-Care on the Digital Frontline"	March, 2016
FIREWALL Moderator, "Networked Feminism in China"	February, 2016
DIMACS/Columbia Workshop on Cryptography for Big Data Invited panelist	December, 2015
Magazine Publisher's Association "Mobile Matters" Conference Invited panelist, "Social Media as the Mobile Newsstand"	November, 2015
Training of Trainers, Johannesburg, South Africa   ISC Invited talk, "Metaphors for Communicating Security"	June, 2015
Newsroom Security Summit, San Francisco, CA   Committee to Protect Journalists Invited participant	June, 2015
Global Workshop, Washington D.C.   ISC Sponsored participant	April, 2015
Circumvention Tech Summit   Valencia, Spain Invited participant	March, 2015
Nouvelles Practiques du Journalisme   Sciences Po, Paris, France Invited talk: "Journalism and paranoia : how to deal with digital privacy and security?"	December, 2014

PSFK Future of Retail Event New York Invited panelist: "Personal Data and the Power of Privacy"	November, 2014
Information Security Research Group, University College London Invited talk, "Information Security Issues for Journalists"	August, 2014
Surveillance.01-USA, NY Media Center Invited panelist: "Data (In)Security, Legal Rights, and Evading Surveillance"	April 2014
Techno-Activism Third Mondays   New York Invited talk: "Obstacles & Opportunities in Digital Security for Journalists"	March, 2014
Brooklyn JS Invited talk: "Teaching JavaScript as a Natural Language"	February, 2014
Workshop on Behavior Change, Tactical Technology Collective Sponsored participant	November, 2013
Circumvention Tech Festival, Open Internet Tools Project Sponsored participant	October, 2013
Center for Urban Science + Progress   New York University Invited talk: "Correction: The Role of Reproducibility in Journalism"	May, 2013
Society of Professional Journalists Invited panelist, "Privacy vs. the Right to Know" <i>(with Eve Burton, Jeff Jarvis, and Bill Keller)</i>	April, 2013
GEN Editors' Lab Hackathon   The New York Times Invited talk, "Essentials of Game Design for Journalism"	April, 2013
American Society of Journalists and Authors Invited panelist	April, 2013
Research Data Symposium   Columbia University Invited panelist, "Integrate and Analyze"	February, 2013
The New School Invited speaker: "Data Journalism & Information Visualization: Power Tools for Storytelling"	February, 2013
Mashable Media Summit Invited panelist: "Demystifying Data-Driven Journalism"	February, 2013
Google Faculty Summit Invited participant	July, 2012

### **Conference Presentations & Talks**

*Tiancheng Zhang* and **Susan E. McGregor**. "Project Historian: Automatic Timeline Generation." Miami, Florida, USA: Computation + Journalism Symposium, February 2019.

Susan E. McGregor, *Elizabeth Anne Watkins*, and Kelly Caine. "Would You Slack That? The Impact of Security and Privacy on Cooperative Newsroom Work." Jersey City, NJ USA: Computer-Supported Cooperative Work (CSCW), November 2018.

- Ananny, Mike, Endalkachew Chala, Cherian George, Susan E. McGregor, Jefferson Lyndon D. Ragragio, Martin Shelton, Elizabeth Anne Watkins, and Sarah Myers West. "Journalistic Security and Networked Press Freedom: Historical, Regional, and Organizational Perspectives." *Absent due to temporary medical restrictions*. Prague, Czech Republic: International Communication Association, May 2018.
- *Mahdi N. Al-Ameen, Byron Lowens*, **Susan E. McGregor**, and Kelly Caine. "A First Look at the Security and Privacy Perceptions of Sources Who Discussed Sensitive Topics with Journalists." Evanston, IL, USA: In Poster Session: Computation+Journalism Symposium, October 2017.
- Mahdi N. Al-Ameen, Elizabeth Anne Watkins, Byron Lowens, Franziska Roesner, Susan E. McGregor, and Kelly Caine. "Evaluating Online Security Training for Journalists Through the Lens of Learning Science." Evanston, IL, USA: In Poster Session: Computation+Journalism Symposium, October 2017.
- Susan E. McGregor, *Elizabeth Watkins*, *Mahdi Nasrullah Al-Ameen*, Kelly Caine, and Franziska Roesner. "When the Weakest Link is Strong: Secure Collaboration in the Case of the Panama Papers." Vancouver, BC, Canada: 26th USENIX Security Symposium, August 2017.
- Susan E. McGregor, Franziska Roesner, and Kelly Caine. "Individual versus Organizational Computer Security and Privacy Concerns in Journalism." Darmstadt, Germany: Privacy Enhancing Technology Symposium, July 2016.
- Susan E. McGregor and Elizabeth Watkins. "Security by Obscurity': Journalists' Mental Models of Information Security." Austin, TX: International Symposium of Online Journalism, April 2016.
- Susan E. McGregor, Polina Charters, Tobin Holliday, and Franziska Roesner. "Investigating the Computer Security Practices and Needs of Journalists." Washington, D.C.: 24th USENIX Security Symposium, August 2015.
- Susan E. McGregor, Fidel Martinez, Alice Brennan. "Privacy and Publication: Open Information Ethics." Austin, TX: SXSW, March 2015.
- Susan E. McGregor. "InfoScribe." London, UK: Google and OCCRP, July 2014.
- **Susan E. McGregor**, Jennifer Valentino DeVries, Josh Meyer, and Chris Doten. "Protecting your work from prying eyes." Baltimore, MD: National Institute for Computer-Assisted Reporting, February 2014.
- Susan E. McGregor and Kathleen P. Duff. "The Cycle of Surveillance: An Historical Lens on Privacy, Technology and Law." New York, NY: Eyebeam NYC, October 2013.
- Susan E. McGregor. "Smart News, Dumb Phones." Atlanta, GA: Online News Association, October 2013.
- Biscuitwala, Kanak, Mathias Lecuyer, **Susan E. McGregor**, and Madeline Ross. "Dispatch: Secure, authenticated, instant mobile publishing." Louisville, KY: Presentation at the National Institute of Computer-Assisted Reporting conference, February 2013.
- **Susan E. McGregor**, Alice Brennan, and Michael Sullivan. "Dealing with Dirty Data Finding the Right Tool for the Job." New York, NY: O'Reilly Strata Conference and Hadoop World, October 2012.
- Susan E. McGregor and Kathleen Duff. "This Message Will Self Destruct: The Implications of Self-Destructing Digital Data." New York, NY: O'Reilly Strata Conference and Hadoop World, October 2012.
- Susan E. McGregor. "Steal This Digital Security Toolbox." San Francisco, CA: Online News Association, September 2012.
- Susan E. McGregor. "Data Journalism Fundamentals." New York, NY: Data Gotham, September 2012.

## Grants & Funding

Principal Investigator, National Science Foundation CNS Grant SaTC: CORE: Medium: Collaborative: Cryptographic Provenance for Digital Publishing (Columbia: \$322K; Clemson/PI Kelly Caine; NYU/PI Joseph Bonneau)	2020 - 2023
Principal Investigator, National Science Foundation CNS Grant TWC: Medium: Collaborative: Studying Journalists to Identify Requirements for Usable, Secure, and Trustworthy Communication (Columbia: \$176K; Clemson/PI Kelly Caine: \$305K; University of Washington/PI Franziska Roesner: \$88K)	2015 - 2018
Co-PI, Data Science Institute, Columbia University Fair Machine: Surveying Algorithms Aiming at Fairness (\$5K) <i>with Augustin Chaintreau</i>	2018
Co-PI, Arts & Sciences (Inaugural) Catalyst Grant, Columbia University A Safer Online Public Square (Total: \$50K) <i>with Julia B. Hirschberg, Kathleen</i> <i>McKeown, Tian Zheng, Lydia H. Liu, Madeleine Dobie,David W. Riordan</i>	2017 - present
Fellow, Tow Center Center for Digital Journalism You Are Here: An Experimental, "Offline Wireless" Journalism Network (Total: \$15K) with industry partners Sarah Grant, Amelia Marzec, Dan Phiffer and Benjamen Walker	2015 - 2017
Principal Investigator, Google's Computational Journalism Focused Research Award InfoScribe: A collaborative web platform for investigative journalism (Total: \$55K)	2014 - present
Principal Investigator, Columbia University, President's Global Innovation Fund Global Operational Data Index (Total: \$20K)	2015 - 2016
Faculty Research Support, Columbia University's School of International Public Affairs Internet Policy and Cybersecurity	Fall 2015
Co-Principal Investigator, Knight Foundation Prototype Fund DataDocs: A JavaScript framework for dynamic and interactive web video (Total: \$47K) with industry partners Joe Posner and Lam Thuy Vo	2013 - 2014
Co-Principal Investigator, Brown Institute Magic Grant Dispatch: A mobile publishing protocol for conflict reporting (Total: \$135K) with Augustin Chaintreau, Monica Lam (Stanford) and industry partner Chris Haseman	2012 - 2013
Awards and Nominations	
Webby Awards   Money & Politics Individual Episode Nominee: "Who Really Runs Washington," Al Jazeera America	2015
Gerald Loeb Awards   Online Enterprise Winner:"What They Know," The Wall Street Journal	2011
Scripps Howard Foundation   Web Reporting Finalist: "Mortgage Meltdown," The Wall Street Journal	2007

# Teaching

Data, Computation and Innovation II: Algorithms (Journalism)	Spring 2019
Investigative Techniques (Journalism)	Spring 2019
Investigative Techniques (Journalism)	Spring 2018
Data Journalism (Journalism)	Fall 2017
Digital Literacy for Instructional Practices (Center for Teaching & Learning, with Lucy Appert and Jennifer Brown)	Fall 2017
Reporting Refugees (Journalism)	Spring 2017
Data Journalism (Journalism)	Fall 2016
Tactical Technology for Reporting (Journalism)	Spring 2016
Storytelling with Streaming Data (Engineering, with Michael Dewar)	Spring 2016
Information Visualization (Journalism)	Spring 2015
Information Visualization (Journalism)	Spring 2014
Digitally Mediated Storytelling (Engineering, with David Elson)	Spring 2014
Data Journalism (Journalism)	Fall 2013
Information Visualization (Journalism)	Spring 2013
Data Journalism (Journalism)	Fall 2012
Information Visualization (Journalism)	Spring 2012
Reporting and Writing (Journalism)	Fall 2011

# Advising - M.S. Candidates

## Dual-Degree in Journalism and Computer Science

Pankhuri Kumar <i>(Adobe)</i>	2019
Menygyao Li <i>independent</i>	2019
Erin Riglin (The Wall Street Journal)	2019
Shreya Vaidyanathan <i>(Bloomberg)</i>	2019
Ravinarayanan Lakshmanan (Scroll.in)	2018
Navraj Narula (Axios)	2018
Tiancheng Zhang <i>(Google)</i>	2018
Priyanjana Bengani (Tow Center for Digital Journalism)	2017
Dailin Shen (TMC Bonds)	2017

Chi-An Wang <i>(Facebook)</i>	2017
Andres Escobar (Univision)	2016
Adnan Firoze (North South University, Bangladesh)	2016
Aikaterini Iliakopoulou (The New York Times)	2016
Shloka Kini <i>(independent)</i>	2016
Nivvedan Senthamilselvan <i>(Google)</i>	2016
Jonah Smith (The New York Times)	2016
Cecilia Watt (Enigma.io)	2016
Journalism	
Alexandra Marie Glorioso (Politico, Local Matters)	2015
Marion Halftermeyer (Debtwire)	2015
Michael Warren Mott (The Seattle Times)	2015
Natasha Lindstrom (TribLIVE.com)	2013
Annaliese Wiederspahn (The Pronghorn Agency)	2013
Rani Molla (WSJ, Bloomberg, Recode)	2012
Yang Sui <i>(Spotify)</i>	2012

## Service

### **Research Community Service**

Privacy Enhancing Technologies Symposium Advisory Board Co-chair, HotPETS Program committee member	2018 - present 2018, 2019 2017 - 2020
USENIX Security Symposium Program committee	2020
Symposium on Usable Privacy and Security (SOUPS) Program committee	2019, 2020
Research Commission of the Università della Svizzera italiana Post-doc funding peer-review	2019
TOCHI - Transactions on Computer-Human Interaction Manuscript peer-review	2019 - present
Journalism & Mass Communication Quarterly Manuscript peer-review	2015 - present
Digital Journalism	2015 - present

Manuscript peer-review	
Carleton University   Ottawa, Canada External program reviewer	2017
PoPETS - Proceedings on Privacy Enhancing Technologies Manuscript peer-review	2017 - present
CHI - ACM CHI Conference on Human Factors in Computing Systems Manuscript peer-review	2018
FOCI - 8th USENIX Workshop on Free and Open Communications on the Internet	
Co-chair, program committee	2019
Manuscript peer-review	2018, 2019
Journalism	2018
Manuscript peer-review	
Media and Communication	2018
Manuscript peer-review	

### Columbia University Service

Data Science Institute	
Co-chair, Center for Data, Media & Society	2017 - present
Committee member, Center for Data, Media & Society	2017 - present
Committee member, Center for Cybersecurity	2016 - present
Reviewer, Seed Fund Propsals	2018-present
	2015 - present
University Senate - Journalism (non-tenured representative)	·
Co-chair, Libraries Committee	2017 - present
Committee member, Faculty Affairs Committee	2015 - present
Web Communications Committee	2015 - 2017
Provost's Advisory Council on the Libraries	2018 - present
University Funding Review Committees	
Collaboratory Fund Fellows review committee	2017 - present
Brown Institute Magic Grant review committee	2013 - present
Columbia Journalism School Service	
Committee on Instruction	2015 - present
Committee on Appointments	2011 - 2014
Weschler Awards Committee	2013, 2017- 2019
External Service	
World Economic Forum   Global Future Council	
Member: Media, Entertainment and Culture	2019 - 2020
Population Reference Bureau	
Board of Trustees	2013 - present
Secretary of the Board	2015 - present

Open Technology Fund	
Advisory Board Member	2015 - present
Columbia Secondary School Teaching Garden	2016 - present
NYC Parks Department Contact	2017 - present

# Event Organizing

<b>Tow Teas</b> <i>Tow Teas</i> Tow Tea: Information Security for a Contentious Election Season Tow Tea: The News Provenance Project	2012 - present Fall 2019
Tow Tea: The Political Visual Literacy Project	
<i>Tow Teas</i> Tow Tea: Know Your (copy)Rights! Tow Tea: The Ethics of Covering Extremism	Spring 2019
<i>Tow Teas</i> Tow Tea: Covering Cannabis Tow Tea: Verifying Video and Photo Tow Tea: Scraping Social Media	Spring 2018
<i>Tow Teas</i> Tow Tea: Wielding Narrative and Data Responsibly Tow Tea: The Social Implications of Al Tow Tea: Inside Ad Tech at Google	Fall 2017
<i>Tow Teas</i> Tow Tea: Getting Started with GitHub Tow Tea: Scraping Social Media	Spring 2017
<i>Tow Teas</i> Tow Tea: Innovation and Independence: The Evolution of RFE/RL with Tom Kent Tow Tea: Doing Honest Journalism in Compromised Environments Tow Tea: Information Security Essentials for Journalists (3-part series)	Fall 2016
<i>Tow Teas</i> Tow Tea: Getting Started with Streaming Data Tow Tea: What Editors Want Tow Tea: Getting Started with Sensors Tow Tea: You Are Not Alone: Solidarity & Staying Connected After Journalism School	Spring 2016
<i>Tow Teas</i> Tow Tea: Perspectives on International Reporting Tow Tea: What's Your Angle? Strategies for Researching & Reporting on Complex Topics	Fall 2015

Tow Tea: Computational Journalism in Practice Tow Tea: Parsing Tech Talk Tow Tea: FOIA Workshop Tow Tea: Network Analysis for Investigative Journalism	
<i>Tow Teas</i> Tow Tea: Understanding Digital Security with Susan McGregor Tow Tea: Digital Security with Susan McGregor Tow Tea: Pitching for the Digital Space: Tips for Freelancing Tow Tea - Privacy and Publication: The Ethics of Open Data, Algorithms and the Internet	Spring 2015
Tow Tea: Curating Digital Photography	
<ul> <li>Tow Teas</li> <li>Tow Tea: New Beats and Covering Diverse Beats in Digital Media</li> <li>Tow Tea: Reporting without the Internet, Using Mesh Networks and FireChat for</li> <li>Journalism</li> <li>Tow Tea: FOIA Workshop</li> <li>Tow Tea: Understanding the Role of Algorithms and Data at BuzzFeed</li> </ul>	Fall 2014
Tow TeasTow Tea: Innovation Showcase IntroductionTow Tea: Building Simple, Interactive Graphics Using Google VisualizationsTow Tea: Scaling Human Editorial Judgment: Collaborative Projects in Technologyand JournalismAn Evening with Simon RogersTow Tea: Summer Sensor Newsroom & Google Fusion TablesTow Tea: Allison Schrager and Malcolm HarrisTow Tea Skills: Open Refine Data AnalyticsTow Tea: Digital Security	Spring 2014
Tow Teas Tow Tea: Entering the Digital Space Tow Tea: Introduction to Aljazeera Tow Tea Skills: Mapping the Experience Tow Tea with Mark Coatney Tow Tea: Engaging Expert Communities Tow Tea: New Forms of Reader Engagement Tow Tea: Starting a Startup	Fall 2013
<i>Tow Teas</i> Tow Tea: James Ball, Datablog Tow Tea: Gray Beltran, Atavist Tow Tea Skills: Mapping the Experience	Fall 2012
Other Events	
#FreeThePress postcard campaign Co-organizer, with CJSGlobal, Columbia Journalism School	December, 2018
Digital Literacy in Context: Negotiating Systemic Bias in Teaching	April, 2018

Co-organizer, with CU Libraries & Center for Teaching and Learning	
#FreeThePress postcard campaign Co-organizer, with CJSGlobal, Columbia Journalism School	December, 2017
<i>Journalism Educator's Symposium</i> Organizer	September, 2017
NYC Media Lab Summit Co-organizer, "Reality Jamming", with Chris Wiggins, Columbia University & NYC Media Lab	September, 2017
#FreeThePress postcard campaign Co-organizer, with CJSGlobal, Columbia Journalism School	January, 2017
<i>Journalism Educator's Symposium</i> Organizer	September, 2016
The Heyman Center for the Humanities, Columbia University Co-organizer, "Race and New Media"	November, 2015
Dart Center for Journalism & Trauma, Columbia Journalism School Co-organizer, "Navigating Gender-Based Issues in Reporting"	October, 2015
Innovation Showcase, Columbia Journalism School Organizer	2012 - 2015
Source Protection in the Information Age Co-organizer	October, 2014
Journalism Security Workshop, Columbia Journalism School Organizer	November, 2013
Tow Center Mapathon, Columbia Journalism School Organizer	October, 2012
Doing Data Journalism: It's Not Just Numbers Organizer	March, 2012
Scraperwiki Hackathon, Columbia Journalism School Co-organizer	February, 2012

## **Exhibitions & Select Media Mentions**

### Exhibitions

PRISMBreakup, Eyebeam Gallery, NYC: "Hiding in Plain Sight"	October, 2013
Crafting Wearables: Blending Technology and Fashion, Deren Guler (book)	2016
Select Media Mentions	

## "Investigator's Toolbox: Digital Security", Claire Mitzel, IRE Journal Fall, 2019

"Navy SEAL War Crimes Trial in Turmoil Over Claims Prosecutors Spied on Defense", Dave Phillips, <i>The New York Times</i>	May 17, 2019
"What Big Tech Is (And Isn't) Doing to Fight Antivaccine Misinformation", Spencer Macnaughton, <i>The Wall Street Journal</i>	May 13, 2019
"Mark Zuckerberg Says Facebook Could Pay for 'High-Quality' News – Should It?", Sean Burch, <i>The Wrap</i>	April 1, 2019
"Startrampe für den Hass im Netz", Adrian Lobe, MedienWoche	March 21, 2019
"Fake News Gets Criminal: Experts Say Prosecuting Creators of Phony Facebook Pages May Be the New Normal", Amanda Farinacci, NY1 News	December 11, 2018
"Is 'Fake News' a Threat to Democracy", The Real Story, BBC World Service	November 16, 2018
"Judge blasts Sun Sentinel for publishing confidential information in Parkland school shooting case", Rafael Olmeda, <i>The Sun-Sentinel</i>	August 16, 2018
"Fake news, partisan news and mainstream media: There's a big difference", Matthew Rozsa, <i>Salon</i>	April 3, 2018
Interview with Jorge Pontual, GloboNews, Brazil	November 23, 2017
"Misinformation Is the New Normal of Mass Shootings", Ben Strauss and Derek Robertson, <i>Politico Magazine</i>	October 2, 2017
"Former whistleblower fears Reality Winner arrest could have 'chilling effect' ", Joshua Eaton, <i>ThinkProgress</i>	June 7, 2017
"Wie flog Reality Winner auf?", Angela Gruber and Fabian Reinbold, Spiegel Online	June 6, 2017
"When Death Becomes Social Media Spectacle", Meaghan Beatley, Motherboard	May 23, 2017
"L'attacco hacker mondiale? Tutto per soldi", Federico Thoman, upday IT	May 12, 2017
Interview with Susanne Lingemann, ZDF	May 5, 2017
"Wikileaks e Deep Web, ecco come file top secret finiscono in rete", Giorgio Baglio, <i>Agi.it</i>	October, 2016
"Huffington Post's Impact on Digital Media," with Molly Wood, <i>NPR's Marketplace</i> <i>Tech</i>	August, 2016
"Social Media and Policing Violent Videos," KCBS Radio, San Francisco	July, 2016
"No Child Left Unmined," Farai Chideya, The Intercept	June, 2015
"Susan McGregor: Journalist and Computer Scientist," Binaire Blog, Le Monde	November, 2014
"How Edward Snowden Changed Journalism," (event mention) Steve Coll, <i>The</i> New Yorker	October, 2014
"Personalizing News, Bringing Readers into the Story," Morgan Eichensehr, American Journalism Review	April, 2014
"Too Much Information: Surveillance Special," with Benjamen Walker, WMFU	May, 2014