Participatory Wellbeing for Underserved Communities
Instructor Name: Dr. Aisling Kelliher (pronounced ASH-LING). She/her.

Email: aislingk@vt.edu
Website: http://people.cs.vt.edu/~aislingk
Office: 105, Media Building | Office Hours: Wednesday, 10:30 – 11:30am by appointment
Classroom: Zoom:
https://virginiatech.zoom.us/j/93838980166?pwd=NE9zc3pPZHZtVUxNZ3YxZmh4ZThudz09 Meeting ID:
938 3898 0166; Passcode: 823079. **In Person:** #103 Media Building, 101 Draper Street
Class Meeting Day and Hours: Tuesday/Thursday: 2:00 – 3:15pm

Syllabus is flexible, dynamic, and liable to change. You will be notified of all updates/changes

Course Topic
Global pandemics from the Black Death to Covid-19 disproportionally impact the health, mortality, security, and wellbeing of minority and underserved communities. Digital technologies including track and trace apps, GPS surveillance, AI diagnosis, and telemedicine provide some mechanisms to combat the spread of disease, while also instilling fear, infringing privacy, and further reinforcing health, socio-economic, and structural inequalities. Developing digital technologies for the fullness of human experience requires consideration of numerous factors and necessitates the input, co-operation, and participation of diverse stakeholders.In response, this class will include considerations and questions such as:how can researchers authentically engage with underserved communities to co-create inclusive and accessible digital solutions? what technical, economic, legal, social or political challenges might engineers and designers encounter in developing and implementing accessible or assistive technologies? what role can empathy play in participatory design practices and how can it support the development of health and wellness technologies for the fullest range of human experiences? This hybrid course (hybrid meaning online/in person AND seminar/studio) will interrogate academic and popular texts, social media, audiovisual material, and computational artifacts bridging both historical and emerging areas of contemporary inquiry related to the topic. Students will encounter and then use a variety of theoretical, philosophical, and pragmatic lenses to study, analyze, and write about course material. Throughout the semester, students will complete digital prototype assignments and co-design a final digital project in collaboration with community stakeholders.

Learning Objectives
By the end of the course, students are expected to demonstrate the ability to:
- Critically read, analyze, and discuss participatory design (PD) methods, outcomes, communities of impact, and opportunities.
- Demonstrate a knowledge of the history, theory, influences, and emerging themes in PD, including competing and supportive theories, practice, and praxis
- Conduct a well-defined literature review
- Discover and scope a research problem/question

- Construct and present a concise argument that advances the discourse on the course theme
- Implement an ethical initial PD exploration with a defined community
- Clearly articulate ideas in publishable academic writing
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Instructional Methods and Class Activities

Classes will primarily consist of student and professor led discussions. In addition, we will have multiple guest presentations either "live" during class time or as posted Q&A videos between me and the guest. Students will participate in and lead in-class and online discussion/presentations. Bringing examples from outside of the class to both the discussions and your assignments is vitally important. Required readings and viewing material will be available either as a link or as a downloadable pdf from Canvas. In carrying out the readings, students must consider and articulate who the author(s) of the work is, the time in which the article was written, the venue and audience, and the following critical and receptive response to the material.

Guests include Dr. Barbara Barry (Mayo Clinic), Ronan Mac Domhnaill (Cred. Solutions), Kristin Hughes (Carnegie Mellon University), Christine Gaspar (Center for Urban Pedagogy), Dr. Carl DiSalvo (Georgia Tech) and Dr. Chris Williams (Virginia Tech DREAMS lab).

Attendance Policy

Students are expected to attend all classes as best they can. That said, we are in the middle of a global pandemic, with so much uncertainty, so there will not be any formal graded requirement that you attend class. Please just simply let the instructor know if you cannot attend (short-term or long-term) at your convenience. There will be no need for medical certification or any other formal documentation to explain any absence. An email to aislingk@vt.edu will suffice. As a hybrid class, my intention is to meet with you in person at the Media Building to discuss your proposed written paper assignments. We can also meet one-on-one over video chat if you prefer. If you choose to meet in person, you must agree to abide by the Virginia Tech Wellness principles. If you are exhibiting even very slight signs of illness, you must not attend class or a meeting with me in person. Notify me by email and follow the instructions posted at https://vt.edu/ready/health.html#tips. In addition, to uphold the Virginia Tech Wellness principles, you must do the following:

- Wear a face covering during class or office hour meeting times, including as you enter and exit the classroom in the Media Building
- Maintain the designated distancing guidelines of the classroom
- Enter and exit the Media Building and the classroom according to posted signage

Required Texts

There are no required texts for this class. Digital and scanned reading/viewing material will be provided by the instructor and available on Canvas. I welcome (and super encourage) the submission of reading links/urls as supplementary material - send them my way!

Evaluation
Students will be evaluated on the quality of their active, productive participation in class discussion (both verbal and written) of the assigned reading and viewing material. The quickfire assignments will be evaluated on the quality of their creativity and relevance to the assignment topic. The two paper assignments will be evaluated for overall relevance, insight novelty, clarity of exposition, quality of references and scope of contribution. Students will receive written feedback and grades on assignments/participation at regular intervals during the semester and standard overall grades at mid-term and at the end of the semester.

Grading Policy
Reading analysis and discussion (20%)
Quickfire assignments (20%)
Literature review paper (20%)
Final Paper (40%)

Academic Integrity
This is expected at all times. All necessary and appropriate sanctions will be issued to all parties involved with plagiarizing any and all course work. Plagiarism and any other form of academic dishonesty that is in violation with the Student Code of Conduct will not be tolerated. Please refer to the following link for additional information

Academic Accommodations
To request academic accommodations due to a disability, please review the information available at https://ssd.vt.edu/accommodations.html. This is an important step as accommodations may be difficult to make retroactively. In addition, please let me know if you are experiencing any difficulty with meeting the class requirements. I am more than willing to work with you on making this a positive and constructive experience.

Final Words
We are in this together. I'm excited to work with you and get to know you. I want to help you with your studies and assist you in moving forward with your academic and professional career. This is such a profoundly strange time for all of us. Let's take it one day at a time. That's the best we can do.

Assignment	Class Date	Class Date	Grade %
Reading Analysis and Discussion	All	All	20%
Introduction to class and topic Introduction readings	August 25	August 27	
Participatory Design Overview & Perspectives Healthcare	September 1	September 3	
Disability and Inclusion **Dr. Barbara Barry** **Quickfire 1 assignment Due**	September 8	September 10	5%
Gender/LGBTQI **Dr. Chris Williams**	September 15	September 17	
Children + parents **Ronan Mac Domhnaill**	September 22	September 24	
Race Work in class	September 29	October 1	5%
Kristin Hughes Refugees, immigrants, and displaced peoples	October 6	October 8	
Quickfire 2 assignment Due + Work in class Indigenous communities **Literature Paper Due - Oct 16**	October 13	October 15	20%
Rural communities Sustainability	October 20	October 22	
ICT4D Online Communities	October 27	October 29	5%
Quickfire 3 assignment Due Animals **Dr. Carl DiSalvo**	November 3	November 5	
Machines and AI Machines and AI	November 10	November 12	
Christine Gaspar **Quickfire 4 assignment Due**	November 17	November 19	5%
Thanksgiving	**BREAK**	**BREAK**	
Final Paper Presentations	December 1	December 3	
Final Paper Presentations **Final Paper Due**	December 8	**December 15**	40%

Thursday August 27th: Introduction and what is going on???

Sheena Erete, Aarti Israni, and Tawanna Dillahunt. 2018. An intersectional approach to designing in the margins. interactions 25, 3 (May-June 2018), 66–69.

María Laura Ramírez Galleguillos and Aykut Coşkun. 2020. How Do I matter? A Review of the Participatory Design Practice with Less Privileged Participants. In Proceedings of the 16th Participatory Design Conference 2020 - Participation(s) Otherwise - Volume 1 (PDC '20). Association for Computing Machinery, New York, NY, USA, 137–147.

Health Equity Considerations and Racial and Ethnic Minority Groups, CDC report.

Nova Ahmed, Rahat Jahangir Rony, and Kimia Tuz Zaman. 2020. Design thinking around Covid-19: focusing on the garment workers of Bangladesh. interactions 27, 4 (July - August 2020), 10–11.

Angelika Strohmayer. 2020. Reflecting on collaborations with charities in the time of Covid-19. interactions 27, 4 (July - August 2020), 30–32

Montathar Faraon. 2020. Mobile tracking and privacy in the coronavirus pandemic. interactions 27, 4 (July - August 2020), 50–51

Margaret Bourdeaux, Mary L. Gray, and Barbara Grosz. 2020. The best tech for contact tracing? systems designed for healthcare workers. interactions 27, 4 (July - August 2020), 90–93.

Desis and COVID 19

Tuesday September 1st: Participatory Design Overview and Perspectives

Muller, M. J. Participatory design: the third space in hci. In The Human-Computer Interaction Handbook: Fundamentals, Evolving Technologies and Emerging Applications, A. Sears and J. A. Jacko, Eds., 2nd ed. Lawrence Erlbaum, 2007, ch. 54, 1061–1082. (full book available online through the VT library)

Clay Spinuzzi. (2005) The methodology of participatory design, Technical Communication 52(2); 163-174.

Rose Johnson, Yvonne Rogers, Janet van der Linden, and Nadia Bianchi-Berthouze. 2012. Being in the thick of in-the-wild studies: the challenges and insights of researcher participation. InProceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '12). ACM, New York, NY, USA, 1135-1144

Caitlin Cahill. (2007). Including excluded perspectives in participatory action research. Design Studies, 28(3), May 2007, 325-340.

Thursday September 3rd: Participatory Research and Healthcare

Barbara A. Israel, Eugenia Eng, Amy J. Schulz, and Edith A. Parker. 2012. PART ONE: Introduction to Methods for Community-Based Participatory Research for Health, in Methods for Community-Based Participatory Research for Health. John Wiley & Sons.

Elizabeth Stowell, Teresa K. O'Leary, Everlyne Kimani, Michael K. Paasche-Orlow, Timothy Bickmore, and Andrea G. Parker. 2020. Investigating Opportunities for Crowdsourcing in Church-Based Health Interventions: A Participatory Design Study. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20). Association for Computing Machinery, New York, NY, USA, 1–12.

Chaloner Chute and Tara French. 2019. Introducing Care 4.0: An Integrated Care Paradigm Built on Industry 4.0 Capabilities. Int J Environ Res Public Health. 2019;16(12):2247. Published 2019 Jun 25.

Vikram Patel and Paul Farmer. 2020. The moral case for global mental health delivery. *Lancet*. 2020;395(10218):108-109.

Tuesday September 8th: Disability, Accessibility, and Inclusion

Jennifer Mankoff, Gillian R. Hayes, and Devva Kasnitz. 2010. Disability studies as a source of critical inquiry for the field of assistive technology. In Proceedings of the 12th international ACM SIGACCESS conference on Computers and accessibility (ASSETS '10). ACM, New York, NY, USA, 3-10.

Graham Pullin. 2009. "Introduction" in Design meets Disability. Cambridge, Mass.: MIT Press.

Satyajit Upasani, Roberto Franco, Kim Niewolny & Divya Srinivasan. (2019) The potential For exoskeletons to improve health and safety in agriculture: Perspectives from service providers. *IISE Transactions on Occupational Ergonomics and Human Factors* , DOI: 10.1080/24725838.2019.1575930

https://cripcamp.com/ | Crip Camp Trailer (full movie available on Netflix)

Inclusive Design Toolkit

Thursday September 10th: Dr. Barbara Barry, Mayo Clinic

Kit Huckvale, Svetha Venkatesh, & Helen Christensen. 2019. Toward clinical digital phenotyping: a timely opportunity to consider purpose, quality, and safety. *npj Digit. Med.* **2,** 88 (2019).

Barbara Barry. Stanford MedX, 2017 Empathy as a constant - improving college student health by designing in community

C. P. Friedman, J. C. Rubin, & K.J. Sullivan. 2017. Toward an Information Infrastructure for Global Health Improvement. *Yearbook of medical informatics*, *26*(1), 16–23.

Barbara Barry. 2019. "Crowdsourcing Stressors: Designing Digital Mental Health Apps to Reflect Community and Support the Therapeutic Process" in Proceedings of the Technology, Mind, Society Conference, Washington DC, October 3 – 5, 2019.

Tuesday September 15th: Gender/LGBTQI

Gay, Roxanne. 2014. "Introduction, Peculiar Benefits, Bad Feminist: Take One", Bad Feminist. NY, NY: HarperCollins. PDF Scan of Select Chapters.

Bardzell, Shaowen. 2010. Feminist HCI: taking stock and outlining an agenda for design. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems* (CHI '10). ACM, New York, NY, USA, 1301-1310.

Oliver L. Haimson, Dykee Gorrell, Denny L. Starks, and Zu Weinger. 2020. Designing Trans Technology: Defining Challenges and Envisioning Community-Centered Solutions. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems* (*CHI '20*). Association for Computing Machinery, New York, NY, USA, 1–13.

Excellent resource: http://oliverhaimson.com/digitaltrans.html

Thursday September 17th: Dr. Chris Williams

[DREAMS lab designs novel respirator for health care workers fighting COVID-19](). VT News, August 27, 2020
[Shortage of personal protective equipment endangering health workers worldwide]()
[US hospitals don't have what they need to fight off COVID-19]()
[3D PRINTERS ARE ON THE FRONT LINES OF THE COVID-19 PANDEMIC]()

Tuesday September 22nd: Children and Parents
Svetlana Yarosh, Sarita Schoenebeck, Shreya Kothaneth, and Elizabeth Bales. 2016. ["Best of Both Worlds": Opportunities for Technology in Cross-Cultural Parenting](). In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems* (*CHI '16*). Association for Computing Machinery, New York, NY, USA, 635–647.
Laura Devendorf, Kristina Andersen, and Aisling Kelliher. 2020. [The Fundamental Uncertainties of Mothering: Finding Ways to Honor Endurance, Struggle, and Contradiction.]() *ACM Trans. Comput.-Hum. Interact.* 27, 4, Article 26 (September 2020), 24 pages.
DOI:https://doi.org/10.1145/3397177
Allison Druin. 1999. [Cooperative inquiry: developing new technologies for children with children.]() In *Proceedings of the SIGCHI conference on Human Factors in Computing Systems* (*CHI '99*). Association for Computing Machinery, New York, NY, USA, 592–599.
DOI:https://doi.org/10.1145/302979.303166

Thursday September 24th: Ronan MacDomhnaill, [Cred.15]()
Intact Beyond. [https://intactbeyond.com/]()
Sullivan Foundation: [https://sullivanfdn.org/]()

Tuesday September 29th: Race
Sepehr Vakil, Maxine McKinney de Royston, Na'ilah Suad Nasir & Ben Kirshner (2016) Rethinking Race and Power in Design-Based Research: Reflections from the Field, Cognition and Instruction, 34:3, 194-209, DOI: [10.1080/07370008.2016.1169817]()
Jasper Tran O'Leary, Sara Zewde, Jennifer Mankoff, and Daniela K. Rosner. 2019. [Who Gets to Future? Race, Representation, and Design Methods in Africatown](). In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems* (*CHI '19*). Association for Computing Machinery, New York, NY, USA, Paper 561, 1–13.
hooks, bell. (1993). A Revolution of values: the promise of multicultural change, in The Cultural Studies Reader, ed Simon During. New York, NY: Routledge. [PDF scan]()

Tuesday October 6th: Kristin Hughes, Carnegie Mellon University
Edwards BA, Powell JR, McGaffey A, Wislo VM, Boron E, D'Amico FJ, Hogan L, Hughes K, Jewell IK, Abatemarco DJ. [Fitwits^{TM} Leads to Improved Parental Recognition of Childhood Obesity and Plans to Encourage Change.]() J Am Board Fam Med. 2017 Mar-Apr;30(2):178-188. doi: 10.3122/jabfm.2017.02.160274.
Kristin Hughes. 2005. [Designing opportunities to spark and nurture scientific inquiry in middle school girls.]() In *Proceedings of the 2005 conference on Designing for User eXperience* (*DUX '05*). AIGA: American Institute of Graphic Arts, New York, NY, USA, 29–es.
Projects:

- [Fitwits -Teaching kids a healthy lifestyle](#)
- [The Octopus Garden](#) , Octopus Garden Instagram
- [Latham Street Commons](#)

Thursday October 8th: Refugees, immigrants, and displaced peoples

Reem Talhouk, Madeline Balaam, Austin L. Toombs, Andrew Garbett, Chaza Akik, Hala Ghattas, Vera Araujo-Soares, Balsam Ahmad, and Kyle Montague. 2019. [Involving Syrian Refugees in Design Research: Lessons Learnt from the Field.](#) In *Proceedings of the 2019 on Designing Interactive Systems Conference* (*DIS '19*). Association for Computing Machinery, New York, NY, USA, 1583–1594.

Deana Brown, Victoria Ayo, and Rebecca E. Grinter. 2014. [Reflection through design: immigrant women's self-reflection on managing health and wellness.](#) In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems* (*CHI '14*). Association for Computing Machinery, New York, NY, USA, 1605–1614.

Ana Maria Bustamante Duarte, Nina Brendel, Auriol Degbelo, and Christian Kray. 2018. [Participatory Design and Participatory Research: An HCI Case Study with Young Forced Migrants](#). *ACM Trans. Comput.-Hum. Interact.* 25, 1, Article 3 (February 2018), 39 pages.

Suggested listening:

This American Life Podcast about life in a Greek refugee camp. [Part One - are we there yet?](#) and [Part Two: Don't have to life like a refugee](#)

Thursday October 15th: Indigenous Communities

Lindah Kotut, Neelma Bhatti, Morva Saaty, Derek Haqq, Timothy L. Stelter, and D. Scott McCrickard. 2020. [Clash of Times: Respectful Technology Space for Integrating Community Stories in Intangible Exhibits](#). In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems* (*CHI '20*). Association for Computing Machinery, New York, NY, USA, 1–13.

Lesley Green. 2012. [Beyond South Africa's 'indigenous knowledge - science' wars](#). South African Journal of Science, Vol 108, 7-8, p. 44-54, Jan 2012 .

Nicola J. Bidwell. 2016. [Decolonising HCI and interaction design discourse: some considerations in planning AfriCHI](#). XRDS 22, 4 (Summer 2016), 22–27.

Asnath Paula Kambunga, Heike Winschiers-Theophilus, and Rachel Charlotte Smith. 2020. [Participatory Memory Making: Creating Postcolonial Dialogic Engagements with Namibian Youth.](#) In Proceedings of the 2020 ACM Designing Interactive Systems Conference (DIS '20). Association for Computing Machinery, New York, NY, USA, 785–797.

Tuesday October 20: Rural Communities

Erick Oduor, Carolyn Pang, Charles Wachira, Rachel K. E. Bellamy, Timothy Nyota, Sekou L. Remy, Aisha Walcott-Bryant, Wycliffe Omwanda, and Julius Mbeya. 2019. [Exploring Rural Community Practices in HIV Management for the Design of Technology for Hypertensive Patients Living with HIV.](#) In Proceedings of the 2019 on Designing Interactive Systems Conference (DIS '19). Association for Computing Machinery, New York, NY, USA, 1595–1606.

Laura Maye, Sarah Robinson, Nadia Pantidi, Liana Ganea, Oana Ganea, Conor Linehan, and John McCarthy. 2020. [Considerations for Implementing Technology to Support Community Radio in](#)

Rural Communities. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20). Association for Computing Machinery, New York, NY, USA, 1–13.
Alexandra Crosby. Design Activism in an Indonesian Village. Design Issues 2019 35:3, 50-63

Thursday October 22: Sustainability
Carl DiSalvo, Phoebe Sengers, and Hrönn Brynjarsdóttir. 2010. Mapping the landscape of sustainable HCI. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '10). ACM, New York, NY, USA, 1975-1984.
Bill Tomlinson, Eli Blevis, Bonnie Nardi, Donald J. Patterson, M. SIX Silberman, and Yue Pan. 2008. Collapse informatics and practice: Theory, method, and design. ACM Trans. Comput.-Hum. Interact. 20, 4, Article 24 (September 2008)
Oliver Bates, Vanessa Thomas, Christian Remy, Adrian Friday, Lisa Nathan, Mike Hazas, Samuel Mann. 2018. Championing environmental and social justice. Forums XXV.5, Sept- Oct 2018, P. 60

Tuesday October 27th: ICT4D - Discussant lead Aakash
Jenna Burrell & Kentaro Toyama. 2009. What Constitutes Good ICTD Research? (site.)Information Technologies & International Development, 5(3): 82-94.
Mark Warschauer and Morgan G. Ames. 2010. "Can One Laptop per Child Save the World's Poor? (" Journal of International Affairs, 64:1 (2010), 33-51.
Mustafa Naseem, Bilal Saleem, Sacha St-Onge Ahmad, Jay Chen, and Agha Ali Raza. 2020. An Empirical Comparison of Technologically Mediated Advertising in Under-connected Populations . In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)*. Association for Computing Machinery, New York, NY, USA, 1–13.
Nicola Dell and Neha Kumar. 2016. The Ins and Outs of HCI for Development. In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16)*. Association for Computing Machinery, New York, NY, USA, 2220–2232.

Thursday October 29th: Animals - Discussant lead Feiyu
Sarah Webber, Marcus Carter, Wally Smith, and Frank Vetere. 2020. Co-Designing with Orangutans: Enhancing the Design of Enrichment for Animals . In Proceedings of the 2020 ACM Designing Interactive Systems Conference (DIS '20). Association for Computing Machinery, New York, NY, USA, 1713–1725.
Clara Mancini. 2011. Animal-computer interaction: a manifesto . interactions 18, 4 (July + August 2011), 69–73.
Yoram Chisik and Clara Mancini. 2019. P for Politics D for Dialogue: Reflections on Participatory Design with Children and Animals . In Proceedings of the Sixth International Conference on Animal-Computer Interaction (ACI'19). Association for Computing Machinery, New York, NY, USA, Article 15, 1–13.
Tshering Dema, Margot Brereton, and Paul Roe. 2019. Designing Participatory Sensing with Remote Communities to Conserve Endangered Species.)In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). Association for Computing Machinery, New York, NY, USA, Paper 664, 1–16.

Tuesday November 3rd: Big Data - Discussant - all

Jessica Lingel, Mor Naaman, and danah m. boyd. 2014. City, self, network: transnational migrants and online identity work. In Proceedings of the 17th ACM conference on Computer supported cooperative work & social computing (CSCW '14). Association for Computing Machinery, New York, NY, USA, 1502–1510. DOI:https://doi.org/10.1145/2531602.2531693

Alex S. Taylor, Siân Lindley, Tim Regan, David Sweeney, Vasillis Vlachokyriakos, Lillie Grainger, and Jessica Lingel. 2015. Data-in-Place: Thinking through the Relations Between Data and Community . In Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems (CHI '15). Association for Computing Machinery, New York, NY, USA, 2863–2872. DOI:https://doi.org/10.1145/2702123.2702558

Koustuv Saha, Ayse E. Bayraktaroglu, Andrew T. Campbell, Nitesh V. Chawla, Munmun De Choudhury, Sidney K. D'Mello, Anind K. Dey, Ge Gao, Julie M. Gregg, Krithika Jagannath, Gloria Mark, Gonzalo J. Martinez, Stephen M. Mattingly, Edward Moskal, Anusha Sirigiri, Aaron Striegel, and Dong Whi Yoo. 2019. Social Media as a Passive Sensor in Longitudinal Studies of Human Behavior and Wellbeing . In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19). Association for Computing Machinery, New York, NY, USA, Paper CS12, 1–8. DOI:https://doi.org/10.1145/3290607.3299065

Thursday November 5th: Dr. Carl DiSalvo, Georgia Tech

Amanda Meng and Carl DiSalvo. 2018. Grassroots resource mobilization through counter-data action . Big Data and Society, Vol. 5, Issue 2. https://doi.org/10.1177/2053951718796862

Nassim Parvin and Anne Pollock. 2020. Unintended by Design: On the Political Uses of "Unintended Consequences." Engaging Science, Technology, and Society. Vol. 6, 2020.

Tuesday November 10th: Algorithms and Bias

West, S.M., Whittaker, M. and Crawford, K. (2019). Discriminating Systems: Gender, Race and Power in A I. AI Now Institute.

Cathy O'Neill. 2016.How algorithms rule our working lives. Guardian, September 1, 2016

Javier Sánchez-Monedero, Lina Dencik, and Lilian Edwards. 2020. What does it mean to 'solve' the problem of discrimination in hiring? social, technical and legal perspectives from the UK on automated hiring systems . In Proceedings of the 2020 Conference on Fairness, Accountability, and Transparency (FAT* '20). Association for Computing Machinery, New York, NY, USA, 458–468.

Thursday November 12th: Participatory AI

Min Kyung Lee, Daniel Kusbit, Anson Kahng, Ji Tae Kim, Xinran Yuan, Allissa Chan, Daniel See, Ritesh Noothigattu, Siheon Lee, Alexandros Psomas, and Ariel D. Procaccia. 2019. WeBuildAI: Participatory Framework for Algorithmic Governance. Proc. ACM Hum.-Comput. Interact. 3, CSCW, Article 181 (November 2019)

Haiyi Zhu, Bowen Yu, Aaron Halfaker, and Loren Terveen. 2018. Value-Sensitive Algorithm Design: Method, Case Study, and Lessons. Proc. ACM Hum.-Comput. Interact. 2, CSCW, Article 194 (November 2018), 23 pages.

Rediet Abebe, Solon Barocas, Jon Kleinberg, Karen Levy, Manish Raghavan, and David G. Robinson. 2020. Roles for computing in social change. In Proceedings of the 2020 Conference on Fairness, Accountability, and Transparency (FAT* '20). Association for Computing Machinery, New York, NY, USA, 252–260.

Thursday November 19th: Christine Gaspar, Center for Urban Pedagogy
Our Values, Our Voice, Our Vote
What Does It Mean To Live In My Own Place?
Not on our watch!
CUP goes to the White House