

**Workshop on the Ethics and Policy Implications of Algorithms and Big Data  
February 15-16, 2019**

**Day 1: Friday February 15th - The Forum at the Price Center**

2:30-3:00 P.M

Welcome Reception (Light Refreshments)

3:00-5:00 P.M

**Panel: Knowledge and Culture**

- How will human learning be altered and how should the education system respond to Big Data?
- How will art and the humanities be affected by Big Data?
- How will the social sciences change?
- How will natural science be done differently?
- What are the effects on popular culture?

Panelists:

**Cecilia Aragon, University of Washington-Seattle**  
**Stuart Geiger, University of California, Berkeley**  
**Johannes Himmelreich, Stanford University**  
**William FitzGerald, The Worker Agency, and previously at Google**  
**Molly Roberts, UCSD**

Moderator:

**Juan Pablo Pardo Guerra, Sociology, UCSD**

**Day 2: Saturday February 16th - Rooms 15 A & B at the Village**

8:30-9:00 A.M

Buffet Breakfast

9:00-11:00 A.M

**Panel: Fairness and Inequality**

- What is algorithmic fairness? How are technical choices and substantive outcomes related?
- How do people make visible and contest the effects of data/algorithm regimes?
- To what extent are algorithmic predictions self-fulfilling prophecies?
- How does Big Data affect economic inequalities?
- Do algorithmic predictions lock the future into the past by overfitting on data from the past?
- Can Big Data help the disadvantaged?

Panelists:

**Per-Erik Milam, University of Twente**  
**Joan Donovan, Technology and Social Change Research Project, Shorenstein Center on Media, Politics, and Public Policy at the Harvard Kennedy School**  
**Sumandro Chattapadhyay, Centre for Internet and Society, India**

	<p>Moderator:  <b>Akos Rona-Tas, Sociology, UCSD</b></p>
<p>11:00-11:15 A.M</p>	<p>Coffee/Networking Break</p>
<p>11:15-1:15 P.M</p>	<p style="text-align: center;"><b>Panel: Power and Privacy</b></p> <ul style="list-style-type: none"> <li>● Are there limits to algorithmic predictions?</li> <li>● Do humans have any ultimate comparative advantage over AI, and if they do, what would that be?</li> <li>● Can algorithms make decisions about humans?</li> <li>● How does Big Data alter power relations and change the way societies are governed?</li> <li>● How is the design of algorithms and Big Data structures distributed across actors, institutions, and locales? How does this distribution affect the resulting algorithms and their surrounding practices?</li> <li>● Can algorithms help civic movements?</li> <li>● Should we worry about profiling?</li> <li>● How safe is Big Data in the face of hacking?</li> <li>● Who benefits from loss of privacy?</li> </ul> <p>Panelists:</p> <p><b>Margaret Hu, Washington and Lee School of Law</b>  <b>Jack Poulson, Hodge Star Scientific Computing and previously at Google,</b>  <b>Reetika Khera, IIT, Delhi</b>  <b>Emory Roane, Privacy Rights ClearingHouse</b></p> <p>Moderator:  <b>Lilly Irani, Communication, UCSD</b></p>
<p>1:15-2:15 P.M</p>	<p>Lunch</p>
<p>2:15-4:30 P.M</p>	<p style="text-align: center;"><b>Roundtable with the participation of all the panelists: Reining in Big Data</b></p> <ul style="list-style-type: none"> <li>● What are the main legal issues raised by Big Data?</li> <li>● Is it too late for ethics in Big Data?</li> <li>● Is regulation of algorithms possible/desirable?</li> <li>● What are the national differences in Big Data regulations?</li> <li>● Is data/algorithmic transparency possible?</li> <li>● Should the design of algorithms/data structures include relevant stakeholders?</li> <li>● What forms of data privacy are possible/desirable? Can surveillance be kept benign?</li> <li>● Where should human judgment and deliberation yield to algorithmic decision making and where should it not?</li> <li>● How should algorithms and Big Data become subject to scrutiny or audit?</li> <li>● Who should be responsible for what an algorithm does?</li> <li>● What can civic movements and social actors do?</li> </ul> <p>Moderator:  <b>Dana Nelkin, Philosophy, UCSD</b></p>