

**10th Workshop in Decisions, Games, and Logic:  
“Ethics, Statistics, and Fair AI”  
June 10-12, 2019 ♦ Baxter B125 ♦ Caltech**

**Monday, June 10**

8:30-9:00 Breakfast

9:00-9:45 “Fairness Without Harm: Decoupled Classifiers with Preference Guarantees”  
Berk Ustun (Harvard University), Yang Liu (UC Santa Cruz), David Parkes (Harvard University)

9:45-10:30 “Learning Optimal Fair Policies”  
Razieh Nabi (Johns Hopkins), Daniel Malinsky (Johns Hopkins), Ilya Shpitser (Johns Hopkins)

10:30-11:00 Break

11:00-12:15 “Title TBA”  
Ilya Shpitser (Johns Hopkins)

12:15-1:30 Lunch

1:30-2:45 “Measuring Algorithmic Fairness”  
Deborah Hellman (University of Virginia)

2:45-3:30 “Algorithmic Injustice Beyond Discriminatory Harm”  
Annette Zimmermann (Princeton University)

3:30-4:00 Break

4:00-4:45 “Counterfactuals as Causal Fictions”  
Lily Hu (Harvard University)

4:45-6:00 “Can we Trust a Biased AI?”  
David Danks (Carnegie Mellon)

6:30-8:30 Workshop Dinner (Rath AI Fresco, Athenaeum)

## Tuesday, June 11

8:30-9:00 Breakfast

9:00-9:45 “Preference Informed Fairness”

Aleksandra Korolova (USC), Michael Kim (Stanford), Gal Yona (Weizmann Institute),  
Guy Rothblum (Weizmann Institute)

9:45-10:30 “The Aspirations and Shortcomings of Causal Approaches to Algorithmic  
Fairness”

Sina Fazelpour (University of British Columbia) and Zachary C. Lipton (Carnegie  
Mellon)

10:30-11:00 Break

11:00-12:15 “The Measure and Mismeasure of Fairness: A Critical Review of Fair  
Machine Learning”

Sharad Goel (Stanford University)

12:15-1:30 Lunch

1:30-2:45 “Moral Responsibility, Blameworthiness and Intention: In Search of Formal  
Definitions”

Joseph Halpern (Cornell University)

2:45-3:30 “Principles for Public Sector Data Analytics”

Daniel Weissglass (CUNY)

3:30-4:00 Break

4:00-5:15 “Towards Practical Notions of Individual Fairness”

Aaron Roth (University of Pennsylvania)

5:15-6:00 “Tracking and Improving Information in the Service of Fairness”

Michael Kim (Stanford University)

## Wednesday, June 12

8:30-9:00 Breakfast

9:00-9:45 “Fairness in the Context of Algorithmic Decision Making: Towards a Map of Ethical Concerns”

Florian Ostmann (Turing Institute)

9:45-10:30 “How AI Might Help us Die With Dignity and Fairness”

Russell DiSilvestro (Cal State Sacramento), Daniel Weijers (University of Waikato), and Nicholas Williams (Cornerstone OnDemand, Inc.)

10:30-11:00 Break

11:00-11:45 “Analysis of Maximally Approved Police Forces”

Jamie Vinson (Caltech)