



SOCIETY FOR
CAUSAL INFERENCE
EST. 2020

SCI At-a-Glance Program

TUESDAY, MAY 13

8:30 AM – 12:30 PM

Shortcourse Sessions

1:00 PM – 5:00 PM

Shortcourse Sessions

3:00 PM – 5:30 PM

Registration

WEDNESDAY, MAY 14

7:30 AM – 5:00 PM

Registration

8:30 AM – 9:45 AM

Plenary Session 1

Location: Ambassador 1&2

10:15 AM – 11:45 AM

ACS Sessions

- *Advancing Causal Inference with Machine Learning*
Session Chair: Rahul Ladhania
Location: Ambassador 1
- *Recent Advances in Matching and Weighting for Causal Inference*
Session Chair: Hajoung Lee
Location: Ambassador 2
- *Sensitivity Analysis*
Session Chair: Colin Fogarty
Location: Ambassador 3

12:00 PM – 1:00 PM

Lunchtime Session

- *Hot Ones: ACIC Edition*
Session Chairs: Kara Rudolph, Caleb Miles
Location: Ambassador 1

1:15 PM – 2:45 PM

Invited Sessions

- *Cross-contexts Causal Inference and Decision Making*
Session Chair: Lihua Lei
Location: Ambassador 1
- *Recent Advances in Addressing Unmeasured Confounding*
Session Chair: Chan Park
Location: Ambassador 2
- *Targeted and Double/Debiased Machine Learning with Applications to Public Health Studies with Interference*
Session Chairs: Ke Zhang, Samrachana Adhikari
Location: Ambassador 3

3:15 PM – 4:45 PM

ACS Sessions

- *Theoretical Considerations of Modern Experimental Design*
Session Chair: Jaffer Zaidi
Location: Ambassador 1
- *Instrumental Variables*
Session Chair: Bernardo Modenesi
Location: Ambassador 2
- *Difference-in-Differences, Synthetic Control, and Methods for Panel and Longitudinal Data*
Session Chair: Evan Rosenman
Location: Ambassador 3

5:00 PM – 5:30 PM

Business Meeting

Location: Ambassador 1&2

5:45 PM – 7:00 PM

Poster Session 1

Location: Ontario East

THURSDAY, MAY 15

7:30 AM – 5:00 PM

Registration

8:30 AM – 9:45 AM

Plenary Session 2

Location: Ambassador 1&2

10:15 AM – 11:45 AM

ACS Sessions

- *Heterogeneous Treatment Effects*
Session Chair: Hanna Kim
Location: Ambassador 1
- *From Clinical Trial Emulation to Trauma and Protein Folding: How Causal Methods Inform Health and Biology*
Session Chair: Andy Wilson
Location: Ambassador 2
- *Randomized Experiments Under Interference: Designs and Tests*
Session Chair: Christopher Harshaw
Location: Ambassador 3

12:00 PM – 1:00 PM

Lunchtime Sessions

- *Causal Inference for Optimizing and Evaluating Personalized Interventions in Precision Medicine*
Session Chair: Daiqi Gao
Location: Ambassador 1
- *Assumption-Lean Modeling for Causal Effects*
Session Chair: Karla Ordaz Diaz
Location: Ambassador 2
- *Safe and Effective ML/AI Systems and Algorithmic Discrimination Protections: A Causal Take*
Session Chair: Maggie Makar
Location: Ambassador 3

1:15 PM – 2:45 PM

Invited Sessions

- *Design and Inference for Dynamic Experiments*
Session Chairs: Iavor Bojinov, Tu Ni
Location: Ambassador 1
- *How to Handle Lack of Overlap? Perspectives on Modeling, Weighting, Matching, and Estimands*
Session Chair: Zach Branson
Location: Ambassador 2
- *Policy Learning and Evaluation Under Arbitrary Dependency*
Session Chairs: Yi Zhang
Location: Ambassador 3

3:15 PM – 4:00 PM

Lightning Poster Session 1

Location: Ambassador 1

4:00 PM – 4:45 PM

Lightning Poster Session 2

Location: Ambassador 1

5:00 PM – 6:00 PM

Poster Session 2

Location: Ontario East

FRIDAY, MAY 16

8:30 AM – 9:45 AM

Plenary Session 3

Location: Ambassador 1&2

10:15 AM – 11:45 AM

Invited Sessions

- *Multi-Faceted Approaches to Sensitivity Analysis for Observational Studies*
Session Chair: Hyunseung Kang
Location: Ambassador 1
- *Generalizability, Transportability, and Distribution Shift*
Session Chair: Yin Jin
Location: Ambassador 2
- *Interpretable Causal Machine Learning for Understanding Treatment Effect Heterogeneity*
Session Chair: Ana Maria Kenney
Location: Ambassador 3