

## Graduate Summer School on Algorithmic Fairness

### Monday July 11, 2022

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00 *Cynthia Dwork (Harvard University & Microsoft) & Guy Rothblum (Apple MLR & The Weizmann Institute)*
- 9:15–10:15 **Cynthia Dwork** (Harvard University)  
*Group Fairness and Individual Fairness*
- 10:15–10:45 *Break*
- 10:45–11:45 **Guy Rothblum** (Apple Inc.)  
*Group Fairness and Individual Fairness*
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:00 **Cynthia Dwork** (Harvard University)  
*Individual Fairness*
- 3:00–3:30 *Break*
- 3:30–4:30 **Guy Rothblum** (Apple Inc.)  
*Individual Fairness*
- 5:00–6:30 *Reception (Location: IPAM Lobby)*

### Tuesday July 12, 2022

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00 *Cynthia Dwork (Harvard University & Microsoft) & Guy Rothblum (Apple MLR & The Weizmann Institute)*
- 9:15–10:15 **Cynthia Dwork** (Harvard University)  
*Affirmative action, Composition*
- 10:15–10:45 *Break*
- 10:45–11:45 **Guy Rothblum** (Apple Inc.)  
*Affirmative action, Composition*
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:00 **Cynthia Dwork** (Harvard University)  
*Scoring Functions*
- 3:00–3:30 *Break*

*(Tuesday schedule continued on next page)*



*(Tuesday schedule continued from previous page)*

3:30–4:30 **Guy Rothblum** (Apple Inc.)  
*Scoring Functions*

### Wednesday July 13, 2022

8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*

9:00 *Cynthia Dwork (Harvard University & Microsoft) & Guy Rothblum (Apple MLR & The Weizmann Institute)*

9:15–10:15 **Cynthia Dwork** (Harvard University)  
*The Multi-X Framework*

10:15–10:45 *Break*

10:45–11:45 **Guy Rothblum** (Apple Inc.)  
*The Multi-X Framework*

12:00–2:00 *Lunch (on your own)*

2:00–3:00 **Cynthia Dwork** (Harvard University)  
*The Multi-X Framework*

3:00–3:30 *Break*

3:30–4:30 **Guy Rothblum** (Apple Inc.)  
*The Multi-X Framework*

### Thursday July 14, 2022

8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*

9:15–10:15 **Noa Dagan** (Harvard Medical School)  
*Can we improve fairness for subpopulations by utilizing medical data?*

10:15–10:45 *Break*

10:45–11:45 **Noa Dagan** (Harvard Medical School)  
*Pt. 2: Can we improve fairness for subpopulations by utilizing medical data?*

12:00–2:00 *Lunch (on your own)*

2:00–3:00 **Sendhil Mullainathan** (University of Chicago)  
*Economic Fairness*

3:00–3:30 *Break*

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3:30–4:30 **Sendhil Mullainathan** (University of Chicago)  
*Sendhil Mullainathan: economic fairness part 2*

5:00–7:00 **Cynthia Dwork** (Harvard University)  
*Cynthia Dwork Green Family Lecture Series: "Fairness, Justice, and ... Algorithms?"*

## Friday July 15, 2022

8:00–9:15 *Check-in/Breakfast (hosted by IPAM)*

9:15–10:15 **Ziad Obermeyer** (University of California, Berkeley (UC Berkeley))  
*Dissecting Algorithmic Bias*

10:15–10:45 *Break*

10:45–11:45 **Ziad Obermeyer** (University of California, Berkeley (UC Berkeley))  
*Pt.2 Dissecting Algorithmic Bias*

12:00–2:00 *Lunch (on your own)*

2:00–3:00 *Flipped class: Race, sex, and their isms*

3:00–3:30 *Break*

3:30–4:30 *Flipped class: Race, sex, and their isms*

