



PRINCETON UNIVERSITY

Department of Mathematics

IAS/Princeton Women and Math Program

Spring 2022



**The Mathematics of  
MACHINE LEARNING**

**Wednesday, May 25    Fine Hall 314**

**AGENDA**

**Fan Wei, Mathematics — 10:00 AM**

*Beyond Worst Case Analysis*

**Barbara Engelhardt, Computer Science — 11:00 AM**

*Gaussian Processes for Spatial Genomics Data Analyses*

**Lunch — 12:00 PM (Common Room & Fine Hall Plaza)**

**Elizaveta Rebrova, ORFE — 2:30 PM**

*Randomized Iterative Methods for Solving Large Corrupted Linear Systems*

**Special Tea — 3:30 PM (Common Room)**

**Panel Discussion — 4:30 PM**

*Social and Ethical Implications of Machine Learning*

- **Danqi Chen, Computer Science**
- **Margaret Holen, ORFE**
- **Cynthia Rudin, Duke University**
- **Olga Russakovsky, Computer Science**

**Shuttle Pick up — 5:45 PM (Goheen Walk on Washington Rd.)**