
ASU Machine Learning Day

April 9, 2021

~ Technical Program ~

8:50 AM - 9:05 AM – Welcome and Opening Remarks (Dean Sandrin)

9:05 AM - 10:00 AM – Keynote Address (Session Chair: Joel Nishimura)

- *Some unique problems with social media data for machine learning and AI*, Huan Liu, Arizona State University

10:05 AM - 11:05 AM – Ethics and ML (Session Chair: Nicholas Proferes)

- *Designing surveillance: The critical role of ethical frameworks in AI Games research*, Florence Chee, Loyola University Chicago
- *Excavating the "unintended consequences" of algorithms: The case of Facebook's "interest" classification system for ad targeting*, Kelley Cotter, Arizona State University
- *Why "AI ethics" matters (and why it does not)*, Anna Jobin, Alexander von Humboldt Institute for Internet and Society

11:15AM - 12:15 PM – ML Theory and Methods I (Session Chair: Yunpeng Zhao)

- *Efficiently evaluate social network interventions*, Johan Ugander, Stanford University
- *A super scalable algorithm for short segment detection*, Selena Niu, University of Arizona
- *Designing disease-tracking metrics with causal machine learning*, P. Richard Hahn, Arizona State University

12:15PM - 1:30PM – Virtual Poster Session (Session Chair: Joel Nishimura)

1:30PM - 2:30PM – ML and Social Science/Social Networks (Session Chair: Nicholas Duran)

- *Resilience and adaptation in social networks*, Will Hobbs, Cornell University
- *Measuring physical and mental health using social media*, Johannes Eichstaedt, Stanford University
- *Presenting the triage package: Temporally Validated Machine Learning for Public Policy*, Erika Salomon, TrueRoll

2:45PM - 3:45PM – ML Theory and Methods II (Session Chair: Kuai Xu)

- *Efficient active learning of halfspaces: noise tolerance and exploiting sparsity*, Chicheng Zhang, University of Arizona
- *Why does functional pruning yield such fast algorithms for optimal changepoint detection?* Toby D Hocking, Northern Arizona University
- *Optimizing for whom? The role of robustness in equitable algorithms*, Kenneth Nieser, University of Wisconsin-Madison

3:45PM - 4:00PM – Research Computing (Session Chair: Nicholas Proferes)

4:00PM – 4:05PM – Closing Remarks