

## HCOMP Workshop on Mathematical Foundations of Human Computation

Schedule:

09:00 - 09:30	<b>Opening Talk:</b> Jenn Wortman Vaughan (MSR) <i>Mathematical Foundations of Human Computation</i>
09:30 - 10:15	<b>Invited Talk:</b> Emery Berger (UMass Amherst) <i>Programming with People</i>
10:15 - 10:30	<b>Discussion</b>
10:30 - 11:00	<b>Coffee Break</b>
11:00 - 11:30	<b>Contributed Talks</b> <i>Crowdsourced Security Vulnerability Discovery: Modeling and Organizing Bug-Bounty Programs</i> Mingyi Zhao, Aron Laszka, Thomas Maillard, and Jens Grossklags <i>Informed Truthfulness for Multi-Task Peer Prediction</i> Victor Shnayder, Arpit Agarwal, Rafael Frongillo, and David C. Parkes <i>Classification with Strategic Data Sources</i> Yang Liu and Yiling Chen
11:30-12:15	<b>Invited Talk:</b> Manuel Blum (CMU) <i>An Automata-Theoretic Model for Human Computation with Applications to Password Generation</i>
12:15 - 12:30	<b>Discussion</b>
12:30 - 02:00	<b>Lunch Break</b>
02:00 - 02:30	<b>Contributed Talks</b> <i>Deliberation for Social Choice</i> Brandon Fain, Ashish Goel, and Ramesh Manageria <i>Efficiency of Active Learning for the Allocation of Workers on Crowdsourcing Classification Tasks</i> Edoardo Manino, Long Tran-Thanh, and Nicholas R. Jennings <i>The Role of Information Theory and Queuing Theory in Human Computation Systems</i> Avhishek Chatterjee and Lav Varshney
02:30 - 03:15	<b>Invited Talk:</b> Adam Tauman Kalai (MSR) <i>Meta-Unsupervised-Learning: A Model of Unsupervised Learning Applicable to Humans and Computers</i>
03:15 - 03:30	<b>Discussion</b>
03:30 - 04:00	<b>Coffee Break</b>
04:00 - 04:45	<b>Invited Talk:</b> Jaime Teevan (MSR) <i>Microproductivity: Getting Big Things Done with Little Microtasks</i>
04:45 - 05:30	<b>Open Problem Session and Discussion</b>

This schedule is subject to change. Please check the website for the latest schedule.

<http://chienjuho.com/workshops/mathematical-foundations-of-human-computation>