2022 Marketplace Innovation Workshop Schedule (May 23-May 26 - All times EST)

All times EST

Monday 05/23

10:50am-11:00am	Workshop Introduction	
11:00am-11:30am	**Plenary** **Tim Roughgarden (Columbia University)**	**Transaction Fee Mechanism Design**
11:30am-11:45am	break/networking	

		Room A	Room B	Room C
11:45am-12:35pm	**Parallel tracks**	**Social Good**	**Search and Recommendations**	**Mechanism Design**
	talk 1	**Platform design to increase resellers' income in rural India** **Ilan Morgenstern** (Stanford University)*; Daniela Saban (Stanford University); Divya Singhvi (New York University); Somya Singhvi (University of Southern California)	**Learning to Persuade on the Fly: Robustness Against Ignorance** **You Zu** (University of Minnesota)*; Krishnamurthy Iyer (University of Minnesota); Haifeng Xu (University of Virginia)	**Simple Mechanisms for Agents with Non-linear Utilities** **Yiding Feng** (Microsoft Research New England)*; Jason D. Hartline (Northwestern University); Yingkai Li (Northwestern University)
	talk 2	**An Algorithmic Introduction to Savings Circles** Rediet Abebe (Harvard University); Adam D Eck (Oberlin College); **Christian Ikeokwu** (University of California, Berkeley)*; Sam Taggart (Oberlin College)	**Recommending with Recommendations** Naveen K Durvasula (University of California, Berkeley); **Franklyn Wang** (Harvard)*; Scott Duke Kominers (Harvard University); Ron Kupfer (Harvard University)	**Simple Mechanisms for Welfare Maximization in Rich Advertising Auctions** Gagan Aggarwal (Google Research); Kshipra Bhawalkar (Google Research); Aranyak Mehta (Google Research); **Divyarthi Mohan** (Tel Aviv University)*; Alexandros Psomas (Purdue University)
	talk 3	**Optimal Credit Scores Under Adverse Selection** Nicole Immorlica (Microsoft Research); **Andre Sztutman** (MIT)*; Robert Townsend (MIT)	**An Economic Model of Prior-Free Spatial Search** **Suraj Malladi** (Cornell University)*	**On the Robustness of Second-Price Auctions in Prior-Independent Mechanism Design** **Jerry Anunrojwong** (Columbia University)*; Santiago Balseiro (Columbia University); Omar Besbes (Columbia University)

12:35pm-1:30pm	poster session 1 (posters associated with parallel tracks)		
	poster 1	Platform design to increase resellers' income in rural India	Ilan Morgenstern (Stanford University)*; Daniela Saban (Stanford University); Divya Singhvi (New York University); Somya Singhvi (University of Southern California)
	poster 2	An Algorithmic Introduction to Savings Circles	Rediet Abebe (Harvard University); Adam D Eck (Oberlin College); Christian Ikeokwu (University of California, Berkeley)*; Sam Taggart (Oberlin College)
	poster 3	Optimal Credit Scores Under Adverse Selection	Nicole Immorlica (Microsoft Research); Andre Sztutman (MIT)*; Robert Townsend (MIT)
	poster 4	Learning to Persuade on the Fly: Robustness Against Ignorance	You Zu (University of Minnesota)*; Krishnamurthy Iyer (University of Minnesota); Haifeng Xu (University of Virginia)
	poster 5	Recommending with Recommendations	Naveen K Durvasula (University of California, Berkeley); Franklyn Wang (Harvard)*; Scott Duke Kominers (Harvard University); Ron Kupfer (Harvard University)
	poster 6	An Economic Model of Prior-Free Spatial Search	Suraj Malladi (Cornell University)*
	poster 7	Simple Mechanisms for Agents with Non-linear Utilities	Yiding Feng (Microsoft Research New England)*; Jason D. Hartline (Northwestern University); Yingkai Li (Northwestern University)
	poster 8	Simple Mechanisms for Welfare Maximization in Rich Advertising Auctions	Gagan Aggarwal (Google Research); Kshipra Bhawalkar (Google Research); Aranyak Mehta (Google Research); Divyarthi Mohan (Tel Aviv University)*; Alexandros Psomas
	poster 9	On the Robustness of Second-Price Auctions in Prior-Independent Mechanism Design	Jerry Anunrojwong (Columbia University)*; Santiago Balseiro (Columbia University); Omar Besbes (Columbia University)

1:30pm-2:00pm	**Plenary** **Gabriel Weintraub (Stanford University)**	**Platform Experimentation and Product Launches: The Impact of Interference**

2:00pm-2:45pm	poster session 2 (poster only papers)		
	poster 1	Deviation-Based Learning	Junpei Komiyama (New York University); Shunya Noda (University of Tokyo and University of British Columbia)*
	poster 2	Content Promotion for Online Content Platforms with Diffusion Effect	Yunduan Lin (UC Berkeley)*; Mengxin Wang (Berkeley); Zuo-Jun Shen (Berkeley); Heng Zhang (Arizona State University); Renyu Zhang (CUHK)
	poster 3	Keep It or Skip It? An Empirical Study of Sequential Music Consumption with Reference Effects	Abhishek Deshmane (IESE Business School)*
	poster 4	Online Bayesian Recommendation with No Regret	Yiding Feng (Microsoft Research New England); Wei Tang (Washington University in St. Louis)*; Haifeng Xu (University of Virginia)
	poster 5	Social Learning and Polarization on Content Platforms	Dongwook Shin (HKUST)*; Bharadwaj Kadiyala (The University of Utah)
	poster 6	Non-strategic Structural Inference (for Initial Play)	Daniel Chui (University of Alberta)*; James R Wright (University of Alberta); Jason Hartline
	poster 7	Decentralized Online Convex Optimization in Networked Platforms	Judy Gan (Columbia University)*; Yiheng Lin (CalTech); Guannan Qu (Carnegie Mellon University); Yash Kanoria (Columbia); Adam Wierman (CalTech)
	poster 8	Learning to Commit	Giacomo Mantegazza (Stanford University)*; Martino Banchio (Stanford University)

10:50am-11:00am Announcements of the day
11:00am-11:30am **Plenary**   **Myrto Kalouptsidi (Harvard University)**   **Search Frictions and Efficiency in Decentralized Transport Markets**
11:30am-11:45am break/networking

	Room A	Room B	Room C
11:45am-12:35pm Parallel tracks	**Gig Economy**	**Experiment Design**	**Mechanism Design / Information**
talk 1	**Trips for Tips? The Impact of Tips on Drivers' Relocation Decisions** **Li Ding** (Georgia Institute of Technology)*; Basak Kalkanci (Georgia Institute of Technology); Seyed Emadi (UNC-Chapel Hill)	**Reducing Marketplace Interference Bias Via Shadow Prices** **Ido Bright** (Lyft)*; Arthur Delarue (Lyft); Ilan Lobel (NYU Stern School of Business)	**Content Filtering with Inattentive Information Consumers** **Justin Grana** (Microsoft)*; Alex Slivkins (Microsoft); J. Bono (Microsoft); I. Ball (Microsoft); B. Lucier (Microsoft); N. Immorlica (Microsoft)
talk 2	**Market Thickness and Pooling Efficiency in Meal-Delivery Platforms** Ruomeng Cui (Emory University); **Wenchang Zhang** (Indiana University-Kelley School of Business)*; Zhanzhi Zheng (Tianjin University)	**Bias-Variance Tradeoffs for Designing Simultaneous Temporal Experiments** **Ruoxuan Xiong** (Emory University)*; Alex Chin (Lyft); Sean J Taylor; Susan Athey (Stanford University)	**Truthful Stochastic Probing: Auctions Meet Information Retrieval** Gagan Goel (Google); Renato Paes Leme (Google); Jon Schneider (Google); David R.M. Thompson (Google); **Hanrui Zhang** (CMU)*
talk 3	**Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning** **Daniel Chen** (The Wharton School)*; Gad Allon (University of Pennsylvania); Ken Moon (The Wharton School, University of Pennsylvania)	**Inference and Decision-Making in Marketplace Experimentation** Ramesh Johari (Stanford University); **Hannah Li** (Stanford University)*; Gabriel Weintraub (Stanford)	**Mechanism Design under Approximate Incentive Compatibility** **Francisco Castro** (UCLA Anderson School of Management)*; Omar Besbes (Columbia); Santiago Balseiro (Columbia University)

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	poster 4	Reducing Marketplace Interference Bias Via Shadow Prices	Ido Bright (Lyft)*; Arthur Delarue (Lyft); Ilan Lobel (NYU Stern School of Business)
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1:30pm-2:00pm **Plenary**   **Bar Ifrach (Uber Freight)**   **Prediction Accuracy and Marketplace Outcomes at Uber Freight**

2:00pm-2:45pm	poster session 2 (poster only papers)	
	poster 1	Spatial Information Sharing on On-Demand Service Platforms: A Behavioral Examination	Swanand Kulkarni (Scheller College of Business, Georgia Tech)*; Basak Kalkanci (Scheller College of Business, Georgia Tech)
	poster 2	The Coin of AI Has Two Sides: Matching Enhancement and Information Revelation Effects of AI on Gig-Economy Platforms	Yi Liu (University of Pennsylvania); Xinyi Zhao (New York University); Bowen Lou (University of Connecticut)*; Xinxin Li (University of Connecticut)
	poster 3	Information Disclosure and Promotion Policy Design for Platforms	Yonatan Gur (Stanford); Gregory Macnamara (Meta Platforms, Inc.); Ilan Morgenstern (Stanford)*; Daniela Saban (Stanford)
	poster 4	Eliminating Waste in Cadaveric Organ Allocation	Peng Shi (USC); Junxiong Yin (University of Southern California)*
	poster 5	Managing Resources for Shared Micromobility: Approximate Optimality in Large-Scale Systems	Deniz Akturk (University of Chicago)*; Ozan Candogan (University of Chicago); Varun Gupta (The University of Chicago)
	poster 6	An Empirical Analysis of Optimal Nonlinear Pricing	Soheil Ghili (Yale)*; Russ Yoon (Yale University)
	poster 7	Reducing the burning: online experimentation for an ultra short horizon	Wanning Chen (Stanford University)*; Junyu Cao (The University of Texas at Austin); Mohsen Bayati (Stanford University)
	poster 8	Exploration at Equilibrium	Vijay Kamble (University of Illinois at Chicago)*; Eren Ozbay (University of Illinois at Chicago)
	poster 9	Pigeonhole Design: Balancing Sequential Experiments from an Online Matching Perspective	Jinglong Zhao (Boston University)*; Zijie Zhou (Massachusetts Institute of Technology (MIT))
	poster 10	Active Learning for a Non-Parametric Choice Model	Fransisca Susan (MIT)*; Negin Golrezaei (MIT); David Kempe (USC); Ehsan Emamjomeh-Zadeh (Facebook)

10:50am-11:00am Announcements of the day
11:00am-11:30am **Plenary**   **Alessandro Bonatti (MIT)**   **Data, Competition, and Digital Platforms**
11:30am-11:45am break/networking

	Room A	Room B	Room C
11:45am-12:35pm Parallel tracks	**Matching Markets**	**Data and Pricing**	**Gig Economy**
talk 1	An Economic Framework for Vaccine Prioritization Mohammad Akbarpour (Stanford); Eric Budish (U of Chicago); Piotr Dworczak (Northwestern); **Scott Duke Kominers** (Harvard University)*	Optimal and Differentially Private Data Acquisition: Central and Local Mechanisms **Alireza Fallah** (MIT)*; Ali Makhdoumi (Duke University); Azarakhsh Malekian (University of Toronto); Asuman Ozdaglar (MIT)	Should hosts list their assets early? An equilibrium analysis of sharing platforms **Neha Sharma** (Kellogg)*; Sumanta Singha (ISB); Milind Sohoni (ISB); Achal Bassamboo (Kellogg)
talk 2	Designing Service Menus for Bipartite Queueing Systems Rene Caldentey (Chicago Booth); Varun Gupta (University of Chicago Booth School of Business); Lisa A Hillas (University of Chicago)*	Beyond i.i.d.: Data-driven Decision Making in a Heterogeneous Environment Omar Besbes (Columbia University); Will Ma (Columbia University); **Omar Mouchtaki** (Columbia University)*	Courier Dispatch in On-Demand Delivery **Mingliu Chen** (Columbia University)*; Ming Hu (Rotman School of Management, University of Toronto)
talk 3	Online Algorithms for Matching Platforms with Multi-Channel Traffic Vahideh Manshadi (Yale University); **Scott Rodilitz** (Stanford)*; Daniela Saban (Stanford); Akshaya Suresh (Yale University)	A Characterization of Optimal Bundling of Products with Non-Additive Values **Soheil Ghili** (Yale)*	Optimal Subscriptions for Ridesharing Platforms **Ben Berger** (Tel Aviv University; Columbia)*; Hongyao MA (Columbia); David Parkes (Harvard); Shreyas Sekar (U of Toronto)

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poster 8	Courier Dispatch in On-Demand Delivery	Mingliu Chen (Columbia University)*; Ming Hu (Rotman School of Management, University of Toronto)
poster 9	Optimal Subscriptions for Ridesharing Platforms	Ben Berger (Tel Aviv University; Columbia)*; Hongyao MA (Columbia); David Parkes (Harvard); Shreyas Sekar (U of Toronto)

1:30pm-2:00pm **Plenary**   **Peng Shi (University of Southern California)**   **Optimal Match Recommendations in Two-sided Marketplaces with Endogenous Prices**

2:00pm-2:45pm	poster session 2 (poster only papers)	
poster 1	Popularity Bias in Online Dating Platforms: Theory and Empirical Evidence	Musa Celdir (Carnegie Mellon University)*; Soo-Haeng Cho (Carnegie Mellon University); Elina Hwang (University of Washington)
poster 2	Online Matching with Reusable Network Resources and Decaying Rewards: A Unified Framework	David Simchi-Levi (MIT); Zeyu Zheng (Department of Industrial Engineering and Operations Research, University of California, Berkeley); Feng Zhu (Institute for Data, Systems, and Society, Massachusetts Institute of Technology)*
poster 3	Dynamic learning in large matching markets	Anand Kalvit (Columbia University)*; Assaf Zeevi (Columbia University)
poster 4	Fair Assortment Planning	Qinyi Chen (Massachusetts Institute of Technology)*; Negin Golrezaei (MIT); Fransisca Susan (MIT); Edy Baskoro (Institut Teknologi Bandung)
poster 5	Multi-homing Across Platforms: Friend or Foe?	Gerard Cachon (The Wharton School); Tolga Dizdarer (The Wharton School)*; Gerry Tsoukalas (Boston University)
poster 6	Managing Traffic Safety for a Meal Delivery Platform: Penalizing the Platform or its Independent Contractor Drivers?	Wenchang Zhang (Indiana University-Kelley School of Business); Chris Tang (Anderson School of Management, University of California, Los Angeles); Liu Ming (The Chinese University of Hong Kong, Shenzhen)*; Yue Cheng (Peking University)
poster 7	Human in the Loop Automation: Ride-Hailing with Remote (Tele-) Drivers	Saif Benjaafar (University of Minnesota); Zicheng Wang (University of Minnesota-Twin Cities); Xiaotang Yang (University of Minnesota-Twin Cities)*
poster 8	Implications of Worker Classification in On-Demand Economy	Ming Hu (Rotman School of Management, University of Toronto); Jianfu Wang (City University of Hong Kong); Zhoupeng Zhang (Rotman School of Management, University of Toronto)*

10:50am-11:00am	Announcements of the day	
11:00am-11:30am	**Plenary**	**Michael Schwarz (Microsoft)**	**Market design for self-enforcing tariffs**
11:30am-11:45am	break/networking	

	Room A	Room B	Room C
11:45am-12:35pm Parallel tracks	**Electricty Markets**	**Social Media Platforms**	**Online Advertising**
talk 1	**Making Carbon-Allowance Auctions Robust to Aftermarkets** Moshe Babaioff (Microsoft); Nicole Immorlica (Microsoft); **Yingkai Li** (Northwestern University)*; Brendan Lucier (Microsoft)	**The production and consumption of social media** **Apostolos Filippas** (Fordham)*; John Horton (MIT & NBER); Elliot Lipnowski (Columbia)	**Influencer Video Advertising on TikTok** **Jeremy Yang** (Harvard Business School)*
talk 2	**Pricing Optimal Outcomes in Coupled and Non-Convex Markets: Theory and Applications to Electricity Markets** **Mete Şeref Ahunbay** (TU Munich)*; Martin Bichler (TU Munich); Johannes Knörr (TU Munich)	**The Folly of Breaking Echo Chambers: Platform Interventions in Community-Based Social Media** **James Siderius** (MIT)*; Mohamed Mostagir (University of Michigan)	**Cold Start to Improve Market Thickness on Online Advertising Platforms: Data-Driven Algorithms and Field Experiments** **Zikun Ye** (UIUC)*; Dennis Zhang (Wash U); Heng Zhang (Arizona State); Renyu Zhang (CUHK); Xin Chen (UIUC)
talk 3	**Capacity Market Fundamentals with Uncertainty** **Lucien D Werner** (CalTech)*; Nicolas Christianson (CalTech); Adam Wierman (CalTech); Steven Low (CalTech)	**Does Fake News Content Create Echo Chambers?** **Jiding Zhang** (Wharton)*; Ken Moon (Wharton); Senthil Veeraraghavan (Wharton)	**Bidders' Responses to Auction Format Change in Internet Display Advertising Auctions** **Shumpei Goke** (Stanford)*; Gabriel Weintraub (Stanford); Ralph Mastromonaco (Shopify); Sam Seljan (Xandr)

12:35pm-1:30pm	poster session 1 (posters associated with parallel tracks)	
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poster 5	The Folly of Breaking Echo Chambers: Platform Interventions in Community-Based Social Media	James Siderius (MIT)*; Mohamed Mostagir (University of Michigan)
poster 6	Does Fake News Content Create Echo Chambers?	Jiding Zhang (Wharton)*; Ken Moon (Wharton); Senthil Veeraraghavan (Wharton)
poster 7	Influencer Video Advertising on TikTok	Jeremy Yang (Harvard Business School)*
poster 8	Cold Start to Improve Market Thickness on Online Advertising Platforms: Data-Driven Algorithms and Field Experiments	Zikun Ye (UIUC)*; Dennis Zhang (Wash U); Heng Zhang (Arizona State); Renyu Zhang (CUHK); Xin Chen (UIUC)
poster 9	Bidders' Responses to Auction Format Change in Internet Display Advertising Auctions	Shumpei Goke (Stanford)*; Gabriel Weintraub (Stanford); Ralph Mastromonaco (Shopify); Sam Seljan (Xandr)

1:30pm-2:00pm	**Plenary**	**Azarakhsh Malekian (University of Toronto)**	**Optimal Auction Design with Inspection**

2:00pm-2:45pm	poster session 2 (poster only papers)	
poster 1	Social Learning in non-stationary environments	Etienne Boursier (EPFL)*; Dongwook Shin (HKUST); Vianney Perchet (ENSAE & Criteo AI Lab); Marco Scarsini (LUISS)
poster 2	Structuring Online Communities	Neha Sharma (Kellogg School of Management)*; Achal Bassamboo (Northwestern University); Gad Allon (University of Pennsylvania)
poster 3	When Less is More: Operations and Incentives of an On-demand Medical Crowdsourcing Platform	Jingxuan Geng (Temple University)*; Guangwen Kong (Temple University); Marco Shaojun Qin (Temple University)
poster 4	Descending Price Auctions with Bounded Number of Price Levels and Batched Prophet Inequality	Saeed Alaei (Google Research); Ali Makhdoumi (Duke University)*; Azarakhsh Malekian (University of Toronto); Rad Niazadeh (Chicago Booth School of Business)
poster 5	Deterministic Budget-Feasible Clock Auctions	Eric Balkanski (Columbia University)*; Pranav Garimidi (Columbia University); Vasilis Gkatzelis (Drexel University); Daniel Schoepflin (Drexel University); Xizhi Tan (Drexel University)
poster 6	The Multi-secretary problem with many types	Akshit Kumar (Columbia University)*; Omar Besbes (Columbia University); Yash Kanoria (Columbia Business School)
poster 7	Online Advertisement Allocation Under Customer Choices and Algorithmic Fairness	Xiaolong Li (National University of Singapore)*; Ying Rong (Shanghai Jiao Tong University); Renyu Zhang (New York University Shanghai and the Chinese University of Hong Kong); H
poster 8	Budget Pacing in Repeated Auctions: Regret and Efficiency without Convergence	Jason Gaitonde (Cornell University)*; Yingkai Li (Northwestern University); Bar Light (Microsoft Research NYC); Brendan Lucier (Microsoft Research); Alex Slivkins (Microsoft Research
poster 9	Tight Guarantees for Multi-unit Prophet Inequalities and Online Stochastic Knapsack	Jiashuo Jiang (NYU Stern School of Business)*; Will Ma; Jiawei Zhang (NYU Stern School of Business)