

2025 Marketplace Innovation Workshop Schedule (May 19-May 21 - All times EST)

Monday 05/19

11:00am-11:10am Workshop Introduction

11:10am-12:00pm **Plenary 1** **Pinar Yildirim (Wharton)**

Effects of Online Dating Platforms on Marriage and Health Outcomes

12:00pm-01:00pm Lunch Break (including Jr/Sr Lunch)

	Room A	Room B	Room C
01:00pm-01:25pm Parallel Tracks 1	Logistics	Queueing and Learning	Two-sided Markets
talk 1	53-Cross- vs. In-Region Courier Routing in On-Demand Delivery Arseniy Gorbushin (Rotman School of Management)*; Ming Hu (Rotman School of Management); Xiaotang Yang (Rotman School of Management); Yun Zhou (Degroot School of Business)	84-Learning in Budgeted Auctions with Spacing Objectives Giannis Fikioris (Cornell Univ)*; Robert Kleinberg (Cornell Univ); Yoav Kolumbus (Cornell Univ); Raunak Kumar (Cornell Univ/Microsoft); Yishay Mansour (Tel Aviv Univ/Google); Eva Tardos (Cornell Univ)	133-Selling Joint Ads: A Regret Minimization Perspective Gagan Aggarwal (Google Research); Ashwinkumar Badanidiyuru (Uber); Paul Duetting (Google Research); Federico Fusco (Sapienza)*
talk 2	47-End-of-Horizon Load Balancing Problems: Algorithms and Insights Daniel Freund (MIT); Chamsi Hssaine (University of Southern California); Jiayu (Kamess) Zhao (MIT)*	51-Learning Safe Strategies For Value Maximizing Buyers in Uniform Price Auctions Sourav Sahoo (Massachusetts Institute of Technology)*; Negin Golrezaei (Massachusetts Institute of Technology)	118-Two-sided Market Design Meets Autobidding Yang Cai (Yale University); Chris Liaw (Google); Aranyak Mehta (Google); Xizhi Tan (Drexel University)*; Mingfei Zhao (Google)
talk 3	112-Online Selection with Uncertain Disruption Yihua Xu (Rice University)*; Suleyman Kerimov (Rice University); Sebastian Perez-Salazar (Rice University)	105-Adaptive Approximation Schemes for Matching Queues Alireza Amanihamedani (London Business School)*; Ali Aouad (MIT); Amin Saberi (Stanford University)	6-Welfare-Optimal Policies for Sponsored Advertising in a Two-Sided Marketplace Peng Shi (USC)*
talk 4	107-Optimizing Inventory Placement for a Downstream Online Matching Problem Boris Epstein (Columbia University)*; Will Ma (Columbia University)	62-Optimal Auction Design for Dynamic Stochastic Environments: Myerson Meets Naor Andy Choi (University of Michigan)*; Yeon-Koo Che (Columbia University)	101-A Stochastic Growth Model for Online Platforms Farbod Ekbatani (University of Chicago, Booth School of Business)*; Rene Caldentey (University of Chicago, Booth School of Business)
talk 5	86-Potential-Based Greedy Matching for Dynamic Delivery Pooling Hongyao Ma (Columbia University); Will Ma (Columbia University); Matias Romero (Columbia University)*	23-Regulating Wait-Driven Requests in Queues Daniel Freund (MIT); David Hausman (UC Berkeley); Wentao Weng (MIT)*	102-Online matching and market imbalance Benjamin Barrientos (MIT)*; Daniel Freund (MIT); Daniela Saban (Stanford)

01:25pm-02:35pm **Poster Session 1**

poster A1	53-Cross- vs. In-Region Courier Routing in On-Demand Delivery	Arseniy Gorbushin (Rotman School of Management)*; Ming Hu (Rotman School of Management); Xiaotang Yang (Rotman School of Management); Yun Zhou (Degroot School of Business)
poster A2	47-End-of-Horizon Load Balancing Problems: Algorithms and Insights	Daniel Freund (MIT); Chamsi Hssaine (University of Southern California); Jiayu (Kamess) Zhao (MIT)*
poster A3	112-Online Selection with Uncertain Disruption	Yihua Xu (Rice University)*; Suleyman Kerimov (Rice University); Sebastian Perez-Salazar (Rice University)
poster A4	107-Optimizing Inventory Placement for a Downstream Online Matching Problem	Boris Epstein (Columbia University)*; Will Ma (Columbia University)
poster A5	86-Potential-Based Greedy Matching for Dynamic Delivery Pooling	Hongyao Ma (Columbia University); Will Ma (Columbia University); Matias Romero (Columbia University)*
poster B1	84-Learning in Budgeted Auctions with Spacing Objectives	Giannis Fikioris (Cornell Univ)*; Robert Kleinberg (Cornell Univ); Yoav Kolumbus (Cornell Univ); Raunak Kumar (Cornell Univ/Microsoft); Yishay Mansour (Tel Aviv Univ/Google); Eva Tardos (Cornell Univ)
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poster B5	23-Regulating Wait-Driven Requests in Queues	Daniel Freund (MIT); David Hausman (UC Berkeley); Wentao Weng (MIT)*
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02:35pm-02:50pm Break/Networking

02:50pm-03:40pm **Plenary 2** **Ruben Lobel (Waymo)**

Optimization at Waymo: Fleet Scheduling, Positioning and Matching

03:40pm End of day

Tuesday 05/20

11:00am-11:05am Announcements of day

	Room A	Room B	Room C
11:05am-11:30am Parallel Tracks 2	Empirics	Fairness	Recommender Systems and Labor Markets
talk 1	121-Credit Rating Design Under Adverse Selection Yifan Feng (National University of Singapore); Jussi Keppo (National University of Singapore); Qinzhen Li (National University of Singapore)*	56-Diversity-Fair Online Selection Ming Hu (Rotman School of Management, University of Toronto); Yanzhi Li (College of Business, City University of Hong Kong); Tongwen Wu (Rotman School of Management, University of Toronto)*	89-Hiring under Congestion and Algorithmic Monoculture: Value of Strategic Behavior Jackie Baek (NYU Stern)*; Hamsa Bastani (University of Pennsylvania); Shihan Chen (University of Pennsylvania)
talk 2	114-From Information Aggregators to Transaction Facilitators: An Empirical Investigation of Platform Business Model Transformation Zhenming Shi (Nanyang Technological University)*; Vivek Choudhary (Nanyang Technological University); Serguei Netessine (University of Pennsylvania)	20-Fair Allocation in Dynamic Mechanism Design Alireza Fallah (UC Berkeley); Michael Jordan (UC Berkeley); Annie Ulichney (UC Berkeley)*	35-Income Pools for Superstar Markets Timothy Chan (University of Toronto); Ningyuan Chen (University of Toronto); Craig Fernandes (University of Toronto)*
talk 3	78-Impact of Treasury Auction Formats on Auction Performance and Bidding Behavior Aleksandrs Smilgins (Copenhagen Business School)*; Saša Pekeč (Duke University: The Fuqua School of Business)	43-Learning Fair and Effective Points-Based Rewards Programs Chamsi Hssaine (University of Southern California, Marshall School of Business)*; Yichun Hu (Cornell University); Ciara Pike-Burke (Imperial College London)	29-Impact of Rankings and Personalized Recommendations in Marketplaces Omar Besbes (Columbia University); Yash Kanoria (Columbia University); Akshit Kumar (Columbia University)*
talk 4	67-Replacing What Could Be Repaired: A Structural Analysis of Two-Stage Diagnostic Decisions in Managing Shared-Bike Returns Hailong Cui (University of Minnesota Twin Cities); Jingxuan Geng (University of Michigan, Ann Arbor)*; Guangwen Kong (Temple University)	5-On the Efficiency of Fair and Truthful Trade Mechanisms Moshe Babaioff (The Hebrew University); Yiding Feng (University of Chicago Booth School of Business)*; Noam Manaker Morag (The Hebrew University)	22-Simple Delay-Oblivious Policies Are Robust: Overbooking with Delayed Purchases Yiding Feng (Hong Kong University of Science and Technology); Puping Jiang (Shanghai Jiao Tong University)*; Wei Tang (Chinese University of Hong Kong)
talk 5	13-Unmasking the Deception: The Interplay between Fake Reviews, Ratings Discrepancy, and Consumer Demand Yunhao Huang (UC Berkeley)*; J. Miguel Villas-Boas (UC Berkeley); Mingduo Zhao (UC Berkeley)		109-The Contest Behind the Feed: Optimal Contest for Recommender Systems Negin Golrezaei (MIT); MohammadTaghi Hajiaghayi (University of Maryland); Suho Shin (University of Maryland)*

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12:40pm-01:20pm Lunch Break (including Jr/Sr Lunch)

01:20pm-02:10pm **Panel** [Aranyak Mehta \(Google\)](#), [Zoe Hitzig \(Open AI\)](#), [Manish Raghavan \(MIT Sloan\)](#) **GenAI in marketplaces**

02:10pm-02:25pm Break/Networking

Tuesday 05/20

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02:25pm-02:50pm	Parallel Tracks 3	Distributed Computing and Information	Gen AI	Mechanism Design																																													
	talk 1	12-Incentive-Compatible Recovery from Manipulated Signals, with Applications to Decentralized Physical Infrastructure Jason Milionis (Columbia Univ)*; Jens Ernstberger (Technical Univ Munich); Joseph Bonneau (New York Univ); Scott Duke Kominers (Harvard U/a16z crypto); Tim Roughgarden (Columbia U/a16z crypto)	24-Accelerated Preference Elicitation with LLM-Based Proxies David Huang (Harvard University); Francisco Marmolejo-Cossio (Boston College); Edwin Lock (University of Oxford)*; David Parkes (Harvard University)	58-Inspect or Guess? Mechanism Design with Unobservable Inspection Ali Daei Naby (University of Toronto)*; Saeed Alaei (Google); Azarakhsh Malekian (University of Toronto; Google)																																													
	talk 2	21-Optimal and Stable Distributed Bipartite Load Balancing Wenxin Zhang (Columbia Univ)*; Santiago Balseiro (Columbia Univ, Google); Robert Kleinberg (Cornell Univ, Google); Vahab Mirrokni (Google); Balasubramanian Sivan (Google); Bartek Wyrowski (Google)	34-Auction Design using Value Prediction with Hallucinations Ilan Lobel (NYU); Humberto Moreira (FGV/EPGE Brazil); Omar Mouchtaki (NYU)*	59-Mechanism Design with Post-Allocation Inspection and Exclusion Penalties Xuanjie Li (Duke University)*; Ali Makhdoumi (Duke University); Sasa Pekec (Duke University)																																													
	talk 3	110-Privacy Spillovers across Competing Platforms Raveesh Mayya (New York University)*; Jiding Zhang (Arizona State University)	27-Generative AI can harm learning Alp Sungu (Upenn)*	68-The Role of Prescreening in Auctions with Predictions Yanwei Sun (Imperial College Business School)*; Fupeng Sun (Imperial College Business School); Chiwei Yan (University of California, Berkeley); Jiahua Wu (Imperial College Business School)																																													
	talk 4	55-Privacy-Preserving Information Sharing in Oligopoly Competitions Yuxin Liu (University of Pittsburgh)*	36-Selective Response Strategies for GenAI Boaz Taitler (Technion)*; Omer Ben-Porat (Technion)	82-Optimal Membership Design Piotr Dworczak (Northwestern); Marco Reuter (IMF); Scott Kominers (Harvard University)*; Changhwa Lee (Bristol)																																													
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04:00pm End of day

Wednesday 05/21

11:00am-11:05am Announcements of day

		Room A	Room B	Room C
11:05am-11:30am	Parallel tracks 4	Algorithmic Collusion	Gig Economy	Information
	talk 1	122-Collusive Pricing under Oblivious Learning Yuhang Wu (Columbia University)*; Assaf Zeevi (Columbia University)	3-How To Manage Online Service Platforms When Facing Customers With Information Heterogeneity: Service Provision And Contract Design Linqiu Li (Univ of Science and Technology of China)*; Qiyuan Deng (The Chinese Univ of Hong Kong, Shenzhen); Xin Fang (Singapore Management Univ); Yun Fong Lim (Singapore Management Univ)	4-From signaling to interviews in random matching markets Itai Ashlagi (Stanford University); Amin Saberi (Stanford University); Sophie Yu (Wharton)*
	talk 2	125-Competition Between Learn-and-earn Pricing Algorithms Omer Saritac (Singapore Management University)*; Ali Aouad (MIT Sloan); Arnoud V. den Boer (University of Amsterdam)	93-Multi-homing Across Platforms: Friend of Foe? Gerard Cachon (The Wharton School); Tolga Dizdarer (Boston College)*; Gerry Tsoukalas (Boston University)	90-Is Learning Effective in Dynamic Strategic Interactions? Evidence from Stackelberg Games Michael Albert (University of Virginia)*; Minbiao Han (University of Chicago); Haifeng Zu (University of Chicago)
	talk 3	31-Online Optimization Algorithms in Repeated Price Competition: Equilibrium Learning and Algorithmic Collusion Julius Durmann (Technical University of Munich)*; Martin Bichler (Technical University of Munich); Matthias Oberlechner (Technical University of Munich)	71-Platform Endorsement and Consumer Search: Evidence from Airbnb Omar Besbes (Columbia University); Yuri Fonseca (Stanford University)*; Zhenyu Lai (Airbnb); Ralph Mastromonaco (Airbnb); Fanyin Zheng (Imperial College London)	94-Learning from a Mixture of Information Sources Nicole Immorlica (Microsoft Research); Brendan Lucier (Microsoft Research); Clayton Thomas (Microsoft Research); Ruqing Xu (Cornell University)*
	talk 4	99-Regulation of Algorithmic Collusion, Refined: Testing Pessimistic Calibrated Regret Jason Hartline (Northwestern University); Chang Wang (Northwestern University); Chenhao Zhang (Northwestern University)*	85-Pricing with Tips in Three Sided Delivery Platforms Yannai Gonczarowski (Harvard University); Gary Ma (Harvard University)*; David Parkes (Harvard University)	32-Predatory Pricing in Two-Sided Markets: An Equilibrium Learning Approach Janik Bürgermeister (TUM)* Martin Bichler (TUM)
	talk 5	98-Robust Equilibria in Shared Resource Allocation via Strengthening Border's Theorem David Lin (Cornell University)*; Giannis Fikioris (Cornell University); Siddhartha Banerjee (Cornell University); Eva Tardos (Cornell University)	39-Two-Sided Feature-Based Choice Modeling via Optimal Transport Ming Hu (Rotman School of Management, University of Toronto); Yijie Zheng (Rotman School of Management, University of Toronto)*	119-Smooth Calibration and Decision Making Jason Hartline (Northwestern University); Yifan Wu (Northwestern University); Yunran Yang (Shanghai Jiao Tong University)*

11:30am-12:40pm	Poster Session 4	
poster A1	122-Collusive Pricing under Oblivious Learning	Yuhang Wu (Columbia University)*; Assaf Zeevi (Columbia University)
poster A2	125-Competition Between Learn-and-earn Pricing Algorithms	Omer Saritac (Singapore Management University)*; Ali Aouad (MIT Sloan); Arnoud V. den Boer (University of Amsterdam)
poster A3	31-Online Optimization Algorithms in Repeated Price Competition: Equilibrium Learning and Algorithmic Collusion	Julius Durmann (Technical University of Munich)*; Martin Bichler (Technical University of Munich); Matthias Oberlechner (Technical University of Munich)
poster A4	99-Regulation of Algorithmic Collusion, Refined: Testing Pessimistic Calibrated Regret	Jason Hartline (Northwestern University); Chang Wang (Northwestern University); Chenhao Zhang (Northwestern University)*
poster A5	98-Robust Equilibria in Shared Resource Allocation via Strengthening Border's Theorem	David Lin (Cornell University)*; Giannis Fikioris (Cornell University); Siddhartha Banerjee (Cornell University); Eva Tardos (Cornell University)
poster B1	3-How To Manage Online Service Platforms When Facing Customers With Information Heterogeneity: Service Provision And Contract Design	Linqiu Li (Univ of Science and Technology of China)*; Qiyuan Deng (The Chinese Univ of Hong Kong, Shenzhen); Xin Fang (Singapore Management Univ); Yun Fong Lim (Singapore Management Univ)
poster B2	93-Multi-homing Across Platforms: Friend of Foe?	Gerard Cachon (The Wharton School); Tolga Dizdarer (Boston College)*; Gerry Tsoukalas (Boston University)
poster B3	71-Platform Endorsement and Consumer Search: Evidence from Airbnb	Omar Besbes (Columbia University); Yuri Fonseca (Stanford University)*; Zhenyu Lai (Airbnb); Ralph Mastromonaco (Airbnb); Fanyin Zheng (Imperial College London)
poster B4	85-Pricing with Tips in Three Sided Delivery Platforms	Yannai Gonczarowski (Harvard University); Gary Ma (Harvard University)*; David Parkes (Harvard University)
poster B5	39-Two-Sided Feature-Based Choice Modeling via Optimal Transport	Ming Hu (Rotman School of Management, University of Toronto); Yijie Zheng (Rotman School of Management, University of Toronto)*
poster C1	4-From signaling to interviews in random matching markets	Itai Ashlagi (Stanford University); Amin Saberi (Stanford University); Sophie Yu (Wharton)*
poster C2	90-Is Learning Effective in Dynamic Strategic Interactions? Evidence from Stackelberg Games	Michael Albert (University of Virginia)*; Minbiao Han (University of Chicago); Haifeng Zu (University of Chicago)
poster C3	94-Learning from a Mixture of Information Sources	Nicole Immorlica (Microsoft Research); Brendan Lucier (Microsoft Research); Clayton Thomas (Microsoft Research); Ruqing Xu (Cornell University)*
poster C4	32-Predatory Pricing in Two-Sided Markets: An Equilibrium Learning Approach	Janik Bürgermeister (TUM)* Martin Bichler (TUM)
poster C5	119-Smooth Calibration and Decision Making	Jason Hartline (Northwestern University); Yifan Wu (Northwestern University); Yunran Yang (Shanghai Jiao Tong University)*

12:40pm-01:20pm Lunch Break

01:20pm-02:10pm **Plenary 3** [Danielle Li \(MIT Sloan\)](#)

[Work Data, Worker Agency, and AI innovation](#)

02:10pm-02:25pm Break/Networking

Wednesday 05/21

		Room A	Room B	Room C
02:25pm-02:50pm	Parallel Tracks 5	Electricity Markets and Sustainability	Experimentation	School Choice and Healthcare
	talk 1	11-Cloud Sharing Marketplace for Energy Nathalia Wolf (INRIA)*	127-Admissibility of Completely Randomized Trials: A Large-Deviation Approach Guido Imbens (Stanford University); Chao Qin (Stanford University)*; Stefan Wager (Stanford University)	7-Assortment Optimization for Patient-Provider Matching Naveen Raman (Carnegie Mellon University)*; Holly Wiberg (Carnegie Mellon University)
	talk 2	15-Battery Operations in Electricity Markets: Strategic Behavior and Distortions Jerry Anunrojwong (Columbia University)*	132-Adaptive Experimentation in the Presence of Exogenous Nonstationary Variation Chao Qin (Stanford University)*; Daniel Russo (Columbia University)	97-Optimal Incentive Design for Decentralized Dynamic Matching Markets Pengyu Qian (Boston University)*; Chen Chen (NYU Shanghai); Jingwei Zhang (CUHK Shenzhen)
	talk 3	46-Optimal Mechanisms for Demand Response: An Indifference Set Approach Mohammad Mehrabi (Stanford University)*; Omer Karaduman (Stanford University); Stefan Wager (Stanford University)	25-Automated Experimental Design with Optimization from Historical Data Simulations Ruoxuan Xiong (Emory University)*	9-Online Learning for Repeated Nudging Anand Kalvit (Stanford University)*; Divya Singhvi (NYU Leonard N. Stern School of Business)
	talk 4	88-From Waste to Taste: Structural Estimation and Market Design in Secondary Food Markets Yizhuo Dong (UCLA)*; Auyon Siddiq (UCLA Anderson School of Management); Jingwei Zhang (Cornell SC Johnson College of Business)	14-Switchback Price Experiments with Forward-Looking Demand Yifan Wu (Northwestern University)*; Ramesh Johari (Stanford University); Vasilis Syrgkanis (Stanford University); Gabriel Weintraub (Stanford University)	74-Students Choose Human Counselors Over Algorithms in College Applications, but not Always Hemanshu Das (Yale University)*; Sofoklis Goulas (Brookings); Faidra Monachou (Yale University)
	talk 5	28-Offsetting Carbon with Lemons: Adverse Selection and Certification in the Voluntary Carbon Market Vahideh Manshadi (Yale University); Faidra Monachou (Yale University); Ilan Morgenstern (Yale University)*	87-When Does Interference Matter? Decision-Making in Platform Experiments Ramesh Johari (Stanford); Hannah Li (Columbia); Anushka Murthy (Stanford)*; Gabriel Weintraub (Stanford)	41-Deviations from Reach Match Safety Strategies Explain Undermatching Disparities in New York City High Schools Kenny Peng (Cornell University)*; Emily Ryu (Cornell University)*; Jon Kleinberg (Cornell University); Eva Tardos (Cornell University); Nikhil Garg (Cornell Tech) [co-presenters]
02:50pm-04:00pm	Poster Session 5			
	poster A1	11-Cloud Sharing Marketplace for Energy		Nathalia Wolf (INRIA)*
	poster A2	15-Battery Operations in Electricity Markets: Strategic Behavior and Distortions		Jerry Anunrojwong (Columbia University)*
	poster A3	46-Optimal Mechanisms for Demand Response: An Indifference Set Approach		Mohammad Mehrabi (Stanford University)*; Omer Karaduman (Stanford University); Stefan Wager (Stanford University)
	poster A4	88-From Waste to Taste: Structural Estimation and Market Design in Secondary Food Markets		Yizhuo Dong (UCLA)*; Auyon Siddiq (UCLA Anderson School of Management); Jingwei Zhang (Cornell SC Johnson College of Business)
	poster A5	28-Offsetting Carbon with Lemons: Adverse Selection and Certification in the Voluntary Carbon Market		Vahideh Manshadi (Yale University); Faidra Monachou (Yale University); Ilan Morgenstern (Yale University)*
	poster B1	127-Admissibility of Completely Randomized Trials: A Large-Deviation Approach		Guido Imbens (Stanford University); Chao Qin (Stanford University)*; Stefan Wager (Stanford University)
	poster B2	132-Adaptive Experimentation in the Presence of Exogenous Nonstationary Variation		Chao Qin (Stanford University)*; Daniel Russo (Columbia University)
	poster B3	25-Automated Experimental Design with Optimization from Historical Data Simulations		Ruoxuan Xiong (Emory University)*
	poster B4	14-Switchback Price Experiments with Forward-Looking Demand		Yifan Wu (Northwestern University)*; Ramesh Johari (Stanford University); Vasilis Syrgkanis (Stanford University); Gabriel Weintraub (Stanford University)
	poster B5	87-When Does Interference Matter? Decision-Making in Platform Experiments		Ramesh Johari (Stanford); Hannah Li (Columbia); Anushka Murthy (Stanford)*; Gabriel Weintraub (Stanford)
	poster C1	7-Assortment Optimization for Patient-Provider Matching		Naveen Raman (Carnegie Mellon University)*; Holly Wiberg (Carnegie Mellon University)
	poster C2	97-Optimal Incentive Design for Decentralized Dynamic Matching Markets		Pengyu Qian (Boston University)*; Chen Chen (NYU Shanghai); Jingwei Zhang (CUHK Shenzhen)
	poster C3	9-Online Learning for Repeated Nudging		Anand Kalvit (Stanford University)*; Divya Singhvi (NYU Leonard N. Stern School of Business)
	poster C4	74-Students Choose Human Counselors Over Algorithms in College Applications, but not Always		Hemanshu Das (Yale University)*; Sofoklis Goulas (Brookings); Faidra Monachou (Yale University)
	poster C5	41-Deviations from Reach Match Safety Strategies Explain Undermatching Disparities in New York City High Schools		Kenny Peng (Cornell University)*; Emily Ryu (Cornell University)*; Jon Kleinberg (Cornell University); Eva Tardos (Cornell University); Nikhil Garg (Cornell Tech) [co-presenters]

04:00pm End of workshop