

Monday 05/24

10:50am-11:00am Workshop Introduction
 11:00am-11:30am Plenary **Ramesh Johari** **Experimentation in Two-Sided Platforms: Recent Results and Future Directions**
 11:30am-11:45am break/networking

	Room A	Room B	Room C
11:45am-12:35pm	Labor markets	Delivery/Transportation platforms	Two-sided markets
talk 1	Dropping Standardized Testing for Admissions: Differential Variance and Access Nikhil Garg (Stanford University); Hannah Li (Stanford University); Faidra Monachou (Stanford University)*	Restaurant Ranking in Food Delivery Platforms with Unknown Demand Fatemeh Navidi (Chicago Booth)*; Rene Caldentey (Chicago Booth); Rad Niazadeh (Chicago Booth); Ozan Candogan (Chicago Booth)	Countering Congestion in Marketplaces: Evidence from a Quasi-Experiment Ashish Kabra (University of Maryland, College Park)*; Jun Li (Ross School of Business, University of Michigan)
talk 2	Information About Vacancy Competition Redirects Job Search Andrey Fradkin (Boston University)*	Dynamic Pricing for Truckload Transportation Marketplaces Yufeng Cao (Shanghai Jiao Tong University)*; Anton J Kleywegt (Georgia Institute of Technology); He Wang (Georgia Institute of Technology)	When does Competition and Costly Information Acquisition Lead to a Deadlock? Jiaqi Lu (Columbia Business School)*; Yash Kanoria (Columbia Business School); Nicole Immorlica (Microsoft Research)
talk 3	Matching for Strategic Organizations: Theory and Empirics from Internal Labor Markets Bo Cowgill (Columbia University)*; Jonathan Davis (University of Oregon); Pablo Montagnes (Emory); Patryk Perkowski (Columbia University)	Driver Positioning and Incentive Budgeting for Ridesharing Platforms Hao Yi Ong (Lyft)*; Daniel Freund (MIT); Davide Crapis (Lyft former)	Efficient Matchmaking in Assignment Games with Application to Online Platforms Peng Shi (USC)*

12:35pm-1:30pm	poster session 1		
poster 1	Dropping Standardized Testing for Admissions: Differential Variance and Access		Nikhil Garg (Stanford University); Hannah Li (Stanford University); Faidra Monachou (Stanford University)*
poster 2	Information About Vacancy Competition Redirects Job Search		Andrey Fradkin (Boston University)*
poster 3	Matching for Strategic Organizations: Theory and Empirics from Internal Labor Markets		Bo Cowgill (Columbia University)*; Jonathan Davis (University of Oregon); Pablo Montagnes (Emory); Patryk Perkowski (Columbia University)
poster 4	Restaurant Ranking in Food Delivery Platforms with Unknown Demand		Fatemeh Navidi (Chicago Booth)*; Rene Caldentey (Chicago Booth); Rad Niazadeh (Chicago Booth); Ozan Candogan (Chicago Booth)
poster 5	Countering Congestion in Marketplaces: Evidence from a Quasi-Experiment		Ashish Kabra (University of Maryland, College Park)*; Jun Li (Ross School of Business, University of Michigan)
poster 6	Dynamic Pricing for Truckload Transportation Marketplaces		Yufeng Cao (Shanghai Jiao Tong University)*; Anton J Kleywegt (Georgia Institute of Technology); He Wang (Georgia Institute of Technology)
poster 7	Driver Positioning and Incentive Budgeting for Ridesharing Platforms		Hao Yi Ong (Lyft)*; Daniel Freund (MIT); Davide Crapis (Lyft former)
poster 8	When does Competition and Costly Information Acquisition Lead to a Deadlock?		Jiaqi Lu (Columbia Business School)*; Yash Kanoria (Columbia Business School); Nicole Immorlica (Microsoft Research)
poster 9	Efficient Matchmaking in Assignment Games with Application to Online Platforms		Peng Shi (USC)*

1:30pm-2:00pm Plenary **Sinan Aral** **Interference in Marketplace Experimentation**

2:00pm-2:45pm	Poster session 2		
poster 1	Share or Solo? Individual and Social Choices in Ride-Hailing		Ming Hu (University of Toronto (Rotman)); Jianfu Wang (City University of Hong Kong)*; Hengda Wen (University of Toronto (Rotman))
poster 2	Operating Three-sided Marketplaces: Pricing, Spatial Staffing and Routing in Food Delivery Systems		Zhe Liu (Imperial College London)*
poster 3	Matching Queues, Flexibility and Incentives		Francisco Castro (UCLA Anderson); Peter Frazier (Cornell University); Hongyao MA (Columbia University); Hamid Nazerzadeh (University of
poster 4	Skilled Worker Turnover on On-demand Service Platforms: Evidence and Prescriptions from Caregiver Markets		Wenchang Zhang (Indiana University-Kelley School of Business)*; Ken Moon (The Wharton School, University of Pennsylvania)
poster 5	In which random matching markets does the short side enjoy an advantage?		Pengyu Qian (Columbia University)*; Yash Kanoria (Columbia); Seungki Min (Columbia Business School)
poster 6	Search Approximates Optimal Matching		Mobin Y.Jeloudar (Stanford University)*; Irene Lo (Stanford); Tristan Pollner (Stanford); Amin Saberi (Stanford)
poster 7	The Parity Ray Regularizer for Pricing in Auction Markets		Andrea Celli (Facebook CDS)*; Riccardo Colini Baldeschi (Facebook); Christian Kroer (Columbia University); Eric Sodomka (Facebook)
poster 8	Do Peer Preferences Matter in School Choice Market Design? Theory and Evidence		Natalie Cox (Princeton); Ricardo Fonseca (Brown University); Bobby Pakzad-Hurson (Brown University)*

Tuesday 05/25

10:50am-11:00am Workshop Introduction
 11:00am-11:30am Plenary **Vahideh Manshadi**
 11:30am-11:45am break/networking

Fair Dynamic Rationing

	Room A	Room B	Room C
11:45am-12:35pm	Parallel tracks	Platform pricing	One-sided markets
talk 1	Pricing in Service Platforms: Who Should Set the Prices? Tolga Dizdarer (The Wharton School)*; Gerard Cachon (The Wharton School); Gerry Tsoukalas (The Wharton School)	When is Assortment Optimization Optimal? Will Ma (Columbia University)*	Two-Sided Benefits of Price Transparency in Informal Supply Chains Irene Lo (Stanford)*; Yuan Shi (Stanford); Joann de Zegher (MIT)
talk 2	To Interfere or Not To Interfere: Information Revelation and Price-Setting Incentives in a Multiagent Learning Environment John Birge (Chicago Booth); Hongfan Chen (CUHK Business School)*; Bora Keskin (Duke University); Amy Ward (Chicago Booth)	Redistributive Allocation Mechanisms Mohammad Akbarpour (Stanford); Piotr Dworczak (Northwestern); Scott Duke Kominers (Harvard University)*	Facilitating mobility in emerging economies: An equilibrium analysis of subscription contracts Neha Sharma (Kellogg)*; Milind Sohoni (Indian School of Business); Achal Bassamboo (Kellogg)
talk 3	When Should Platforms Control Prices in Dynamic Matching Markets? Anil Omer Saritac (London Business School)*; Ali Aouad (London Business School); Chiwei Yan (University of Washington)	Parallel Lotteries: Insights from Alaskan Hunting Permit Allocation Nick Arnosti (Columbia Business School)*; Timothy W Randolph (Columbia University)	A Group Fairness Framework for Apportioning the Burden of Exploration Jackie Baek (MIT)*; Vivek Farias (MIT)

12:35pm-1:30pm	poster session 1		
poster 1	Pricing in Service Platforms: Who Should Set the Prices?		Tolga Dizdarer (The Wharton School)*; Gerard Cachon (The Wharton School); Gerry Tsoukalas (The Wharton School)
poster 2	To Interfere or Not To Interfere: Information Revelation and Price-Setting Incentives in a Multiagent Learning Environment		John Birge (Chicago Booth); Hongfan Chen (CUHK Business School); Bora Keskin (Duke University)*; Amy Ward (Chicago Booth)
poster 3	When Should Platforms Control Prices in Dynamic Matching Markets?		Anil Omer Saritac (London Business School)*; Ali Aouad (London Business School); Chiwei Yan (University of Washington)
poster 4	When is Assortment Optimization Optimal?		Will Ma (Columbia University)*
poster 5	Redistributive Allocation Mechanisms		Mohammad Akbarpour (Stanford); Piotr Dworczak (Northwestern); Scott Duke Kominers (Harvard University)*
poster 6	Parallel Lotteries: Insights from Alaskan Hunting Permit Allocation		Nick Arnosti (Columbia Business School)*; Timothy W Randolph (Columbia University)
poster 7	Two-Sided Benefits of Price Transparency in Informal Supply Chains		Irene Lo (Stanford)*; Yuan Shi (Stanford); Joann de Zegher (MIT)
poster 8	Facilitating mobility in emerging economies: An equilibrium analysis of subscription contracts		Neha Sharma (Kellogg)*; Milind Sohoni (Indian School of Business); Achal Bassamboo (Kellogg)
poster 9	A Group Fairness Framework for Apportioning the Burden of Exploration		Jackie Baek (MIT)*; Vivek Farias (MIT)

1:30pm-2:00pm Plenary **Hunt Allcott** **Digital Addiction**

2:00pm-2:45pm	Poster session 2		
poster 1	Strategic Reviews		Mohamed Mostagir (University of Michigan)*; James Siderius (MIT)
poster 2	Advertisement Policies With Consumer Privacy Concerns		Can Kucukgul (UT Dallas)*; Ozalp Ozer (UT Dallas); Shouqiang Wang (UT Dallas)
poster 3	Consuming (Mis)Information in Online News: Preferences and Complementarities		Jiding Zhang (The Wharton School)*; Ken Moon (The Wharton School, University of Pennsylvania); Senthil Veeraraghavan (The Wharton School)
poster 4	Social Nudges Boost Productivity on Online Platforms: Field Experiments and Network Modeling		Zhiyu Zeng (Tsinghua University)*
poster 5	A Gatekeeper's Conundrum: Self selection and information aggregation in costly application processes.		Moran Koren (Harvard University)*
poster 6	Optimal Auction Design with Deferred Inspection and Reward		Saeed Alaei (google); Alexandre Belloni (Duke University); Ali Makhdoumi (Duke University)*; Azarakhsh Malekian (University of Toronto)
poster 7	Information Frictions on an Online Services Market		Milena J Petrova (Wallapop)*
poster 9	Improving Policy-Constrained Kidney Exchange via Pre-Screening		Duncan C McElfresh (University of Maryland)*; Michael J Curry (University of Maryland College Park); Tuomas Sandholm (CMU, Strategy Robot, Inc., Optimized Markets, Inc., Strategic Machine, Inc.); John P Dickerson (University of Maryland)
poster 10	Designing School Choice for Diversity in the San Francisco Unified School District		Irene Lo (Stanford)*; Itai Ashlagi (Stanford); Max Allman (Stanford); Kaleigh Mentzer (Stanford)

Wednesday 05/26

10:50am-11:00am Workshop Introduction

11:00am-11:30am Plenary **Nikhil Devanur**

Combinatorial Financial Markets

11:30am-11:45am break/networking

	Room A	Room B	Room C
11:45am-12:35pm	Experiments	Queues	Online advertising
talk 1	Optimal experimental design for staggered rollouts Ruoxuan Xiong (Stanford University)*; Susan Athey (Stanford University); Mohsen Bayati (Stanford University); Guido Imbens (Stanford University)	Randomized FIFO Mechanisms Francisco Castro (UCLA Anderson); Hongyao Ma (Columbia University)*; Hamid Nazerzadeh (USC Marshall); Chiwei Yan (University of Washington)	Calibrated Click-Through Auctions: An Information Design Approach Renato Paes Leme (Google)*; Dirk Bergemann (Yale University), Paul Dütting (London School of Economics), Song Zuo (Google)
talk 2	Design and Analysis of Switchback Experiments Jinglong Zhao (MIT)*; Iavor Bojinov (Harvard University); David Simchi-Levi (MIT)	Delay Information in Virtual Queues: A Large-Scale Field Experiment on a Ride-Sharing Platform Qiuping Yu (Georgia Institute of Technology)*; Yiming Zhang (University of Washington); Yong-Pin Zhou (University of Washington)	Trustworthy and Powerful Online Marketplace Experimentation with Budget-split Design Min Liu (LinkedIn)*; Jialiang Mao (LinkedIn Corp); Kang Kang (LinkedIn Corp)
talk 3	Experimental Design in Two-Sided Platforms Ramesh Johari (Stanford University); Hannah Li (Stanford University)*; Inessa Liskovich (Airbnb); Gabriel Weintraub (Stanford); Geng Zhao (Stanford)	Price Discovery and Efficiency in Waiting Lists: A Connection to Stochastic Gradient Descent Jacob Leshno (Chicago Booth)*; Itai Ashlagi (Stanford); Pengyu Qian (Columbia Business School); Amin Saberi (Stanford)	Welfare Maximizing Guaranteed Dashboard Mechanisms Yuan Deng (Google Research); Jason D. Hartline (Northwestern University); Jieming Mao (Google); Balasubramanian Sivan (Google Research)*

12:35pm-1:30pm	poster session 1		
poster 1	Optimal experimental design for staggered rollouts		Ruoxuan Xiong (Stanford University)*; Susan Athey (Stanford University); Mohsen Bayati (Stanford University); Guido Imbens (Stanford University)
poster 2	Design and Analysis of Switchback Experiments		Jinglong Zhao (MIT)*; Iavor Bojinov (Harvard University); David Simchi-Levi (MIT)
poster 3	Experimental Design in Two-Sided Platforms		Ramesh Johari (Stanford University); Hannah Li (Stanford University)*; Inessa Liskovich (Airbnb); Gabriel Weintraub (Stanford); Geng Zhao
poster 4	Randomized FIFO Mechanisms		Francisco Castro (UCLA Anderson); Hongyao Ma (Columbia University)*; Hamid Nazerzadeh (USC Marshall); Chiwei Yan (University of Washington)
poster 5	Delay Information in Virtual Queues: A Large-Scale Field Experiment on a Ride-Sharing Platform		Qiuping Yu (Georgia Institute of Technology)*; Yiming Zhang (University of Washington); Yong-Pin Zhou (University of Washington)
poster 6	Price Discovery and Efficiency in Waiting Lists: A Connection to Stochastic Gradient Descent		Jacob Leshno (Chicago Booth)*; Itai Ashlagi (Stanford); Pengyu Qian (Columbia Business School); Amin Saberi (Stanford)
poster 7	Calibrated Click-Through Auctions: An Information Design Approach		Renato Paes Leme (Google)*; Dirk Bergemann (Yale University), Paul Dütting (London School of Economics), Song Zuo (Google)
poster 8	Trustworthy and Powerful Online Marketplace Experimentation with Budget-split Design		Min Liu (LinkedIn)*; Jialiang Mao (LinkedIn Corp); Kang Kang (LinkedIn Corp)
poster 9	Welfare Maximizing Guaranteed Dashboard Mechanisms		Yuan Deng (Google Research); Jason D. Hartline (Northwestern University); Jieming Mao (Google); Balasubramanian Sivan (Google Research)*

1:30pm-2:00pm Plenary

Daniela Saban

Improving Match Rates in Dating Markets using Display Optimization

2:00pm-2:45pm	Poster session 2		
poster 1	Multi-Armed Bandits with Cost Subsidy		Vashist Avadhanula (Facebook)*; Deeksha Sinha (Massachusetts Institute of Technology); Karthik Abinav Sankararaman (Facebook); Abbas Kazerouni (Facebook)
poster 2	Multi-Armed Bandits for Short-Lived, High-Volume Content		Su Jia (CMU)*; R Ravi (CMU); Andrew Li (); Nishant Oli (Glance Digital Experience Private Limited)
poster 3	Near-Optimal Experimental Design for Networks: Independent Block Randomization		Chen Chen (UChicago Booth School of Business)*; Ozan Candogan (University of Chicago); Rad Niazadeh (Chicago Booth School of Business)
poster 4	Know thy neighbor: Local algorithms for network MDPs		Judy Gan (Columbia University)*; Yash Kanoria (Columbia); Xuan Zhang (Columbia University)
poster 5	Satisficing Search and Algorithmic Price Competition		Chamsi Hssaine (Cornell University)*; Vijay Kamble (University of Illinois at Chicago); Siddhartha Banerjee (Cornell University)
poster 6	Larger Firms Pay More in the Gig Economy		Zhen Lian (Cornell University)*; Sebastien Martin (Northwestern University); Garrett van Ryzin (Amazon)
poster 7	Off-Platform Threats in On-Demand Services		Eryn Juan He (NUS)*; Sergei Savin (University of Pennsylvania); Joel Goh (NUS); Chung Piau Teo (NUS)

Thursday 05/27

10:50am-11:00am Workshop Introduction

11:00am-11:30am Plenary

Catherine Tucker

Data Deserts and Black Boxes: The Impact of Socio-Economic Status on Consumer Profiling

11:30am-11:45am break/networking

11:45am-12:35pm Parallel tracks

Room A

Novel applications

Room B

Techniques

Room C

Ridesharing

talk 1

Digital Privacy

Itay Fainmesser (Johns Hopkins University); Andrea Galeotti (London Business School); Ruslan Momot (HEC Paris)*

VCG Contracts for Common Agency

Tal Alon (Technion)*; Ron Lavi (Technion); Elisheva Shamash (Technion); Inbal Talgam-Cohen (Technion)

Autonomous Vehicles in Ride-Hailing and the Threat of Spatial Inequalities

Jian Gao (UCLA Anderson)*; Francisco Castro (UCLA Anderson); S!ebastien Martin (Kellogg)

talk 2

Choice Screen Auctions

Michael Ostrovsky (Stanford University)*

Incentive-Compatible Assortment Optimization

Santiago Balseiro (Columbia University)*; Antoine Desir (Insead)

Autonomous Vehicle Market Design

Zhen Lian (Cornell University)*; Garrett van Ryzin (Amazon)

talk 3

Quantifying the High-Frequency Trading "Arms Race": A Simple New Methodology and Estimates

Eric Budish (University of Chicago, Booth School of Business)*

Machine Learning-powered Iterative Combinatorial Auctions

Gianluca Brero (Harvard University); Benjamin Lubin (Boston University); Sven Seuken (University of Zurich)*

Private Vs. Pooled Transportation: Customer Preference and Congestion Management

Kashish Arora (Cornell)*; Fanyin Zheng (Columbia Business School); Karan Girotra (Cornell University)

12:35pm-1:30pm poster session 1

poster 1

Digital Privacy

Itay Fainmesser (Johns Hopkins University); Andrea Galeotti (London Business School); Ruslan Momot (HEC Paris)*

poster 2

Choice Screen Auctions

Michael Ostrovsky (Stanford University)*

poster 3

Quantifying the High-Frequency Trading "Arms Race": A Simple New Methodology and Estimates

Eric Budish (University of Chicago, Booth School of Business)*

poster 4

VCG Contracts for Common Agency

Tal Alon (Technion)*; Ron Lavi (Technion); Elisheva Shamash (Technion); Inbal Talgam-Cohen (Technion)

poster 5

Incentive-Compatible Assortment Optimization

Santiago Balseiro (Columbia University)*; Antoine Desir (Insead)

poster 6

Machine Learning-powered Iterative Combinatorial Auctions

Gianluca Brero (Harvard University); Benjamin Lubin (Boston University); Sven Seuken (University of Zurich)*

poster 7

Autonomous Vehicles in Ride-Hailing and the Threat of Spatial Inequalities

Jian Gao (UCLA Anderson)*; Francisco Castro (UCLA Anderson); S!ebastien Martin (Kellogg)

poster 8

Autonomous Vehicle Market Design

Zhen Lian (Cornell University)*; Garrett van Ryzin (Amazon)

poster 9

Private Vs. Pooled Transportation: Customer Preference and Congestion Management

Kashish Arora (Cornell)*; Fanyin Zheng (Columbia Business School); Karan Girotra (Cornell University)

1:30pm-2:00pm

Plenary

Ilan Lobel

Employees, Contractors, or Hybrid: An Operational Perspective

2:00pm-2:45pm

Poster session 2

poster 1

Limitations of Dynamic Pricing Mechanisms in Ride Hailing

Daniel Freund (MIT)*; Garrett van Ryzin (Amazon)

poster 2

Dynamic Stochastic Matching Under Limited Time

Anil Omer Saritac (London Business School); Ali Aouad (London Business School)*

poster 3

Two-stage Stochastic Matching and Pricing with Applications to Ride Hailing

Yiding Feng (Northwestern University); Rad Niazadeh (Chicago Booth School of Business)*; Amin Saberi (Stanford University)

poster 4

Online Stochastic Max-Weight Bipartite Matching: Beyond Prophet Inequalities

Christos Papadimitriou (Columbia U); Tristan Pollner (Stanford University); Amin Saberi (Stanford University); David Wajc (Stanford University)*

poster 5

Designing Approximately Optimal Search on Matching Platforms

Nicole Immorlica (Microsoft Research); Brendan Lucier (Microsoft Research); Vahideh Manshadi (Yale); Alexander Wei (UC Berkeley)*

poster 6

Revenue-Sharing Allocation Strategies for Two-Sided Media Platforms: Pro-Rata versus User-Centric

Saeed Alaei (Google); Ali Makhdoumi (Duke University); Azarakhsh Malekian (University of Toronto); Saša Pekeć (Duke University)*

poster 7

How to design reserve markets? The case of the demand function in capacity markets

Leopold Monjoie (University of Paris-Dauphine)*

poster 8

Commitment on Volunteer Crowdsourcing Platforms: Implications for Growth and Engagement

Irene Lo (Stanford); Vahideh Manshadi (Yale University); Scott Rodilitz (Yale School of Management)*; Ali Shamel (Stanford University)

poster 9

Lotteries for Shared Experiences

Nick Arnosti (Columbia Business School)*; Carlos Bonet (Columbia Business School)

poster 10

Marketplace Expansion at all Costs: Be Careful of Whom You Invite to Join

Wenchang Zhang (Indiana University-Kelley School of Business)*; Wedad Elmaghraby (University of Maryland - Robert H. Smith School of Business); Ashish Kabra (University of Maryland, College Park)