

Monday Morning (June 20th)

8:30 -8:40			General Announcements		
CT Times	Room A	Room B	Room C	Room D	Room E
8:40-10:20 AM	Assortment Planning	Social Media	Topics in Information	Pricing	Online Resource Allocation
	Joint Product Design and Dynamic Assortment Optimization: Integrating Strategic and Tactical Revenue Management Authors: Mengxin Wang, Paat Rusmevichientong, Heng Zhang and Max Shen	The Impact of Social Nudges on User- Generated Content for Social Network Platforms Authors: Zhiyu Zeng, Hengchen Dai, Dennis Zhang, Heng Zhang, Renyu Zhang, Zhiwei Xu and Zuo-Jun Shen	To Interfere or Not To Interfere: Information Revelation and Price-Setting Incentives in a Multiagent Learning Environment Authors: Hongfan Chen, John R. Birge, N. Bora Keskin and Amy Ward	Omnichannel Pricing Strategies Under Product Value Uncertainty Authors: Dongwook Shin and Jae Hyuck Park	Online Advertisement Allocation Under Customer Choices and Algorithmic Fairness Authors: Xiaolong Li, Ying Rong, Renyu Zhang and Huan Zheng
9:00-9:20	Approximation Schemes for Joint Assortment and Pricing Problems with Opaque Products Authors: Yukai Huang, Jacob Feldman and Xingxing Chen	Leveraging Consensus Effect to Optimize Feed Sequencing in Online Discussion Platforms Authors: Joseph Carlstein, Gad Allon and Yonatan Gur	Disclosing Low Product Availability: A Marketplace Facilitator Strategy for Mitigating Stockout Risk Authors: Ben Knight and Dmitry Mitrofanov	Product Placement in Physical Stores and Pricing Strategies for Competing Multichannel Retailers Authors: Raunak Joshi, Sumanta Basu, Balram Avittathur and Sreelata Jonnalagedda	Online Resource Allocation for Reusable Resources Authors: Xilin Zhang and Wang Chi Cheung
9:20-9:40	Speed Service with Spotlight Products: Assortment Optimization and Pricing with Service Rate Consideration Authors: Zhe Liu and Shixin Wang	Does Fake News Content Create Echo Chambers? Authors: Jiding Zhang, Ken Moon and Senthil Veeraraghavan	Online Bayesian Recommendation with No Regret Authors: Yiding Feng, <mark>Wei Tang</mark> and Haifeng Xu	How to Display Promotions When Customers Search? Authors: Yi Chen, Jing Dong and Fanyin Zheng	Approximation Schemes for the Joint Inventory Selection and Online Resource Allocation Problem Authors: Xingxing Chen, Jacob Feldman, Panos Kouvelis and Seung Hwan Jung
9:40-10:00	Assortment Optimization under Multinomial Logit Choice Model with Tree Structured Consideration Sets Authors: Qingwei Jin, Qianqian Wang and Yu Han	Help and Haggle: Boosting Social Reach Through Randomized, Adaptive, All-or- Nothing Discounts Authors: Zhen Shao, Chen Jin and Luyi Yang	Pareto-Improving Data-Sharing Authors: Ronen Gradwohl and Moshe Tennenholtz		Online Resource Allocation with Samples. Authors: Negin Golrezaei, Patrick Jaillet and Zijie Zhou
	Strawberry Or Vanilla This Week? How To Optimize Tailored Assortments For Variety- Seeking/Avoiding Consumers Authors: Dorothee Honhon, Ismail Kirci, Sumit Kunnumkal and Sridhar Seshadri	Structuring Online Communities Authors: Neha Sharma, Achal Bassamboo and Gad Allon	Learning to Persuade on the Fly: Robustness Against Ignorance Authors: You Zu, Krishnamurthy Iyer and Haifeng Xu	Prescriptive Tree for Revenue Optimization Authors: Shivaram Subramanian, <mark>Wei Sun</mark> , Youssef Drissi and Markus Ettl	Tight Guarantees for Multi-unit Prophet Inequalities and Online Stochastic Knapsack Authors: Jiashuo Jiang, Will Ma and Jiawei Zhang

10:20-11:00

Networking Break

CT Times	Room A	Room B	Room C	
11:00-12:30	Spotlight 1	Spotlight 2	RM Practice Award Presentations	11:00-13:00
11:00-11:45	Increasing Charity Donations: A Bandit Learning Approach. Authors: Divya Singhvi and Somya Singhvi Discussant: TBD	Fair Assortment Planning. Authors: Qinyi Chen, Negin Golrezaei, Fransisca Susan and Edy Baskoro Discussant: TBD	Anheuser-Busch InBev and Arena: Active Learning for Optimizing Store-Level Promotions Aurthor: Srikanth Jagabathula	11:00-11:30
	Dynamic learning in large matching markets	Submodular Order Functions and Assortment Optimization	Instrumenting While Experimenting: An Empirical Method for Competitive Pricing at Scale Authors: Zoey Jiang, Jun Li	11:30-12:00
11:45-12:30	Authors: Anand Kalvit and Assaf Zeevi Discussant: TBD	Author: Rajan Udwani Discussant: TBD	Large-scale Price Optimization for an Online Fashion Retailer Authors: Hanwei Li, David Simchi-Levi, Rui Sun, Michelle Xiao Wu	11:00-11:30
12:30-13:00	Lunch	Break	9 Years of Substantial Revenue Increase by Scheduling Advertising Optimally and Seamlessly on Cable Television Authors: Sridhar Seshadri, Sebastian Souyris, Sriram Subramanian, Shiv Sehgal	12:30-13:00



Informs. REVENUE MANAGEMENT & PRICING

Monday Afternoon (June 20th)

CT Times	Room A	Room B
13:00-14:30	Spotlight 3	Spotlight 4
13:00-13:45	Revelation Gap for Pricing from Samples Authors: Yiding Feng, Jason Hartline and Yingkai Li Discussant: TBD	Cold Start to Improve Market Thickness on Online Advertising Platforms: Data-Driven Algorithms and Field Experiments Authors: Zikun Ye, Dennis Zhang, Heng Zhang, Renyu Zhang and Xin Chen
13:45-14:30	On the Robustness of Second-Price Auctions in Prior-Independent Mechanism Design Authors: Jerry Anunrojwong, Santiago Balseiro and Omar Besbes Discussant: TBD	Discussant: TBD Feature-based Dynamic Pricing with Online Learning and Offline Data Authors: Sabrina Zhai, Jinzhi Bu, David Simchi-Levi and Yunzong Xu Discussant: TBD

14:30-15:00

Networking Break

CT Times	Room A	Room B	Room C	Room D	Room E
15:00-16:00	Network RM	Platforms	Learning	Service Networks	Sequential Decisions in RM
15:00-15:20	Authors: Jeunghyun Kim and Chihoon Lee	Should hosts list their assets early? An equilibrium analysis of sharing platforms Authors: Neha Sharma , Sumanta Singha, Milind Sohoni and Achal Bassamboo	Authors: Fransisca Susan, Negin Golrezaei, Ehsan	Evidence from a Structural Model Authors: Sandeep Chitla, Maxime Cohen,	Dynamic Resource Constrained Reward Collection Problems: Unified Model and Authors: Santiago Balseiro, Omar Besbes and Dana Pizarro
15:20-15:40	Basis Generation in Revenue Management	Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning Authors: Daniel Chen, Gad Allon and Ken Moon	General Intervention Patterns Authors: Vivek F. Farias, Andrew A. Li and Tianyi	Learning While Repositioning in On- demand Vehicle Sharing Networks Authors: Shunan Jiang, <mark>Hansheng Jiang</mark> and Zuo- Jun Max Shen	Adaptivity Gap in Hiring Problems Authors: Boris Epstein and Will Ma
15:40-16:00	Revenue Management with Flexible Products	Supply Prioritization in Hybrid Marketplaces Authors: Francisco Castro, Jian Gao and Sébastien Martin	Authors: Ruoxuan Xiong, Susan Athey, Mohsen	Foe? Authors: Gerard Cachon, Tolga Dizdarer and	The Multisecretary problem with many types Authors: Omar Besbes, Yash Kanoria and Akshit Kumar

16:00-16:30

Networking Break

CT Times	Room A	Room B
16:30-18:00	Spotlight 5	Spotlight 6
16:30-17:15	Implications of Worker Classification in On- Demand Economy Authors: Ming Hu, Jianfu Wang and <mark>Zhoupeng Jack Zhang</mark> Discussant: TBD	Machine Learning based Framework for Robust Price-Sensitivity Estimation with Application to Airline Pricing Authors: Ravi Kumar, Shahin Boluki, Karl Isler, Jonas Rauch and Darius Walczak
17:15-18:00	Managing Multihoming Workers in the Gig Economy Authors: Gad Allon, Maxime Cohen, Ken Moon and Park Sinchaisri Discussant: TBD	Optimal Algorithm for Minimizing Compositions of Convex Functions and Random Functions and Its Applications in Network Revenue Management Authors: Xin Chen, Niao He, Yifan Hu and Zikun Ye Discussant: TBD

2022 Revenue Management and Pricing Conference



Informs. REVENUE MANAGEMENT & PRICING

Tuesday Morning (June 21st)

CT Times	Room A	Room B	Room C	Room D	Room E
8:40-10:20 AM	Matchings	Bandits	Service Networks	Auctions & Mechanisms	Sequential Decisions in RM
8:40-9:00	Greedy Algorithm for Multiway Matching with Bounded Regret Author: Varun Gupta	Speed Up the Cold-Start Learning in Two- Sided Bandits with Many Arms Authors: Mohsen Bayati, Junyu Cao and Wanning Chen		Simple Mechanisms for Agents with Non- linear Utilities Authors: Yiding Feng, Jason Hartline and <mark>Yingkai</mark> Li	Sequential Search with Acquisition Uncertainty Authors: David Brown and Cagin Uru
9:00-9:20	Designing Sparse Graphs for Stochastic Matching	Bandits with Time-to-Event Outcomes	Network Inventory Management: Approximate Optimality in Large-Scale Systems	On the Timing of Auctions: The Effects of Complementarities on Bidding, Participation, and Welfare	Randomized Policy Optimization for Optimal Stopping
	Authors: Yifan Feng , René Caldentey, Linwei Xin, Yuan Zhong, Bing Wang and Haoyuan Hu	Authors: Arielle Anderer , Hamsa Bastani and John Silberholz	Authors: Deniz Akturk , Ozan Candogan and Varun Gupta	Authors: Alex Arsenault-Morin, Hayri Alper Arslan and Matthew Gentry	Autrhors: Xinyi Guan and Velibor Mišić
	Optimal Match Recommendations in Two- sided Marketplaces with Endogenous Prices	Synthetically Controlled Bandits		Optimal and Differentially Private Data Acquisition: Central and Local Mechanisms	Data-driven Newsvendor: Operating in a Heterogeneous Environment
	Author: Peng Shi	Authors: Vivek Farias, Ciamac Moallemi, Tianyi Peng and Andrew Zheng		Authors: Alireza Fallah , Ali Makhdoumi, Azarakhsh Malekian and Asuman Ozdaglar	Authors: Omar Besbes, Will Ma and <mark>Omar</mark> Mouchtaki
9:40-10:00	Matchmaking Strategies for Maximizing Player Engagement in Video Games Authors: Mingliu Chen, Adam Elmachtoub and Xiao Lei	Learning Across Bandits in High Dimension via Robust Statistics Author: Kan Xu and Hamsa Bastani	Courier Dispatch in On-Demand Delivery Authors: Mingliu Chen and Ming Hu	Auctioning with Strategically Reticent Bidders Authors: Jibang Wu, Ashwinkumar Badanidiyuru and Haifeng Xu	Sequential Recommendation Under Random Consideration Set Model Authors: Yicheng Liu, Pin Gao, Zizhuo Wang and Chenhao Wang
10:00-10:20		Safe Optimal Design with Applications in Offline and Online Policy Learning Author: Ruihao Zhu	Pricing in On-Demand (and One-Way) Vehicle Sharing Networks Authors: Saif Benjaafar and Xiaobing Shen		Tight Robustness-Consistency Tradeoffs for Online Bipartite Matching with Advice Authors: Billy Jin and Will Ma
10:20-11:00			Networking Break		
CT Times	Diaman	v Poom			

CT Times	Plenary Ro	oom
	Plenary Session:	
11:00 - 12:30	Tara Mardan Sr. Manager Retail Pricing Research and Science at Amazon I	Philip Kaminsky Professor IEOR University of California, Berkeley
12:30-13:00		



Tuesday Afternoon (June 21st)

CT Times	Room A	Room B
13:00-14:30	Spotlight 7	Spotlight 8
	When is Assortment Optimization Optimal?	Loss Functions for Discrete Contextual
		Pricing with Observational Data
13:00-13:45	Author: Will Ma Discussant: TBD	Authors: Max Biggs, Ruijiang Gao and Wei Sun Discussant: TBD
13:45-14:30	Algorithmic Collusion for Assortment Games Authors: Mohammed Ali Aouad and Arnoud V. den Boer	Optimizing Objective Functions from ReLU Neural Networks in Revenue Management Authors: Georgia Perakis and Asterios Tsiourvas
	Discussant: TBD	Discussant: TBD

14:30-15:00		Networking Break				
CT Times	Room A	Room B	Room C	Room D	Room E	
15:00-16:00	Assortment Planning	Platforms	Pricing	Online Resource Allocation	Auction Theory	
15:00-15:20	Assortment Decisions With All-at-once Returns And Heterogeneous Customers	Pricing Strategies for Online Dating Platforms	Algorithmic Pricing in Competitive Markets with Consumer Reference Effects	multi-class arrivals	Descending Price Auctions with Bounded Number of Price Levels and Batched Prophet Inequality	
	Authors: Sahika Sahan and Jacob Feldman	Authors: Titing Cui and Michael Hamilton	Authors: Negin Golrezaei, Patrick Jaillet and Jason Cheuk Nam Liang	Authors: Tianming Huo and Wang Chi Cheung	Authors: Saeed Alaei, <mark>Ali Makhdoumi</mark> , Azarakhsh Malekian and Rad Niazadeh	
15:20-15:40	Joint Assortment Optimization and Customization under a Mixture of Multinomial Logit Models: Value of Personalized Assortments	Deep Learning for Visual Advertising on Digital Platforms: Asymptotically Optimal Image Selection	Multi product dynamic pricing with menu costs	A Markov Decision Model for Managing	Selling User Data to No-Regret Advertisers via Each Mediator's Dynamic Multi-Item Auction	
	Authors: Omar El Housni and Huseyin Topaloglu	Authors: N. Bora Keskin, Yuexing Li, Shaoxuan Liu and Jing-Sheng Song	Author: <mark>Zhen Liu</mark>		Authors: Yongge Yang, Po-Yang Wu, Po-An Chen, Yao-Yun Chang and Wing-Kai Hon	
15:40-16:00	Model-Free Assortment Pricing with Transaction Data	Reducing Marketplace Interference Bias Via Shadow Prices	Near-Opt Dynamic Pricing in Large Network	Incentivize Customers to Spend More: Optimal Coupon Distributing Policy for Customers under a Partially Observable Markov Chain Model	The Combinatorial Multi-Round Auction	
	Authors: Ningyuan Chen, Andre Cire, Ming Hu and Saman Lagzi	Authors: Ido Bright, Arthur Delarue and Ilan Lobel	Authors: Ozan Candogan, Mingxi Zhu and Yuwei Luo		Authors: Bernhard Kasberger and Alexander Teytelboym	

16:00-16:30

Networking Break

CT Times	Room A	Room B
16:30-18:00	Spotlight 9	Spotlight 10
	Pigeonhole Design: Balancing Sequential	Exploration in Markets under Local
	Experiments from an Online Matching	Congestion-based Pricing
16:30-17:15	Perspective	
10100 17110	Authors: Jinglong Zhao and Zijie Zhou	Authors: Vijay Kamble and Eren Ozbay
	Discussant: TBD	Discussant: TBD
		Dynamic Pricing for Two-sided Marketplaces
17:15-18:00	Single-Leg Revenue Management with Advice	with Offer Expiration
17:15-18:00	Authors: Santiago Balseiro, Christian Kroer and	Authors: Yufeng Cao, Anton Kleywegt and He Wang
	Rachitesh Kumar	
	Discussant: TBD	Discussant: TBD



Wednesday Morning (June 22nd)

CT Times	Room A	Room B	Room C	Room D	Room E
8:40-10:20 AM	Learning	Bundling	Topics in Information	Choice Models	Topics in Retail & Service RM
8:40-9:00	The Limits to Learning a Diffusion Model Authors: Jackie Baek, Vivek Farias, Andreea Georgescu, Retsef Levi, Tianyi Peng, Deeksha Sinha, Joshua Wilde and Andrew Zheng	To Bundle or Not to Bundle: The Impact of Conditional Discounts on Net Sales Authors: Sahar Hemmati, Wedad Elmaghraby and Ozge Sahin	Optimal Pricing of Information Authors: Shuze Liu, Weiran Shen and Haifeng Xu	Aggregating Preferences from (Ranked) Choices: A Simple Mallows-type Model Authors: Yifan Feng and Yuxuan Tang	Fixing Inventory Inaccuracies At Scale Authors: Vivek F. Farias, Andrew A. Li and Tianyi Peng
	Dynamic Learning for Joint Pricing, Advertising and Inventory Management Authors: Huseyin Gurkan, Bora Keskin and Rodney Parker	Learning Consumer Preferences from Bundle Sales Data Authors: Ningyuan Chen, Setareh Farajollahzadeh and Guan Wang	Inventory Record Inaccuracy Explains Price Rigidity in Perishable Groceries Authors: Naveed Chehrazi, Robert Sanders and Ioannis Stamatopoulos	Exact Logit-Based Product Design Authors: Irem Akcakus and Velibor Misic	Display Optimization under the Multinomial Logit Choice Model: Balancing Revenue and Customer Satisfaction Authors: Puping Jiang and Jacob Feldman
9:20-9:40	Privacy-Preserving Dynamic Personalized Pricing with Demand Learning Authors: Xi Chen, David Simchi-Levi and Yining Wang	Measuring the willingness to pay for bundles composed of flexible products Authors: Ralf Gössinger and Jacqueline Wand	Buying Cheap: Brand Switching During Economic Distress and Its Disparate Impact on Consumers Authors: Shantanu Dutta, Divya Singhvi and Somya Singhvi	Representing Random Utility Choice Models with Neural Networks Authors: Ali Aouad and Antoine Desir	Designing Layouts for Sequential Experiences: Application to Cultural Institutions Authors: Ali Aouad, Abhishek Deshmane and Victor Martínez de Albéniz
9:40-10:00	Estimating Demand with Unobserved No- purchases on Revenue-managed Data Authors: Anran Li, Kalyan Talluri and Müge Tekin	A Characterization for Optimal Bundling of Products with Non-Additive Values Author: Soheil Ghili	Loyalty Currency and Mental Accounting: Do Consumers Treat Points Like Money? Authors: Freddy Lim, So Yeon Chun and Ville Satopää	The Value of Robust Assortment Optimization under Ranking-based Choice Models Author: Bradley Sturt	Real-Time Omnichannel Fulfillment Optimization Authors: Zuguang Gao, Zi Elaine Ling, Varun Gupta and Linwei Xin
10:00-10:20	Revenue Maximization and Learning in Product Ranking Authors: Ningyuan Chen, Anran Li and <mark>Shuoguang</mark> Yang	Product and Ancillary Pricing Optimization: Market Share Analytics via Perturbed Utility Model Authors: Changchun Liu, Maoqi Liu, Hailong Sun and Chung-Piaw Teo	Using Competitive Online Non-Parametric	E-commerce Assortment Optimization and Personalization with Multi-Choice Rank List Model Authors: Hongyuan Lin, Xiaobo Li and Lixia Wu	On the Management of Premade Foods Authors: Jae-Hyuck Park, Dan Iancu and Erica Plambeck
10:20-11:00	Networking Break				
CT Times	Plenar	/ Room			
11:00 - 12:30	Plenary Session Engineering, Data Science,	n: Tim Graciano and Product at Convoy Inc			

12:30-13:00

Lunch Break



Wednesday Afternoon (June 22nd)

CT Times	Room A	Room B
13:00-14:30	Spotlight 11	Spotlight 12
13:00-13:45	Dynamic Pricing with Menu Costs: Approximation Schemes and Applications to Grocery Retail Authors: Jacob Feldman and Danny Segev	On-demand Transportation: Drivers Wages Versus Platform Profit Authors: Omar Besbes, Vineet Goyal, Garud Iyengar and Raghav Singal
	Discussant: TBD	Discussant: TBD
13:45-14:30	Pricing Query Complexity of Revenue Maximization Authors: Renato Paes Leme, Balasubramanian Sivan, Yifeng Teng and Pratik Worah	Information Disclosure and Promotion Policy Design for Platforms Authors: Yonatan Gur, Gregory Macnamara, Ilan Morgenstern and Daniela Saban
	Discussant: TBD	Discussant: TBD

14:30-15:00

Networking Break

CT Times	Room A	Room B	Room C	Room D	Room E
15:00-16:00	Network RM	Matchings	Pricing on Networks	Pricing	New Directions
15:00-15:20	Revenue Management with Heterogeneous Resources: Unit Resource Capacities, Advance Bookings, and Itineraries over Time Intervals		Pricing A Product With Network Effects For Sale To A Fixed Population Of Customers	Consumers Emotions Run High	Inequity in Disaster Operations Management
	Authors: Paat Rusmevichientong, Mika Sumida, Huseyin Topaloglu and Yicheng Bai	Authors: Rene Caldentey, Varun Gupta and Lisa Hillas	Authors: Tongqing Chen and William L. Cooper	Authors: Ozalp Ozer, Arun Kumar Rout and Serdar Simsek	Authors: Xabier Barriola and William Schmidt
15:20-15:40	Risk-Sensitive Network Revenue Management	Price Discovery in Waiting Lists: A Connection to Stochastic Gradient Descent	Decentralized Online Convex Optimization in Networked Systems	Learning Near Optimal Solutions for Price Optimization and Beyond	Metaverse based SaaS business model to optimize the revenue management for green fintech companies: A study based on conceptual modelling
	Authors: Martin Glanzer and Christiane Barz	Authors: Pengyu Qian, Itai Ashlagi, Jacob Leshno and Amin Saberi	Authors: Judy Gan, Yiheng Lin, Guannan Qu, Yash Kanoria and Adam Wierman	Authors: Rares Cristian and Georgia Perakis	Authors: Gayathri Giri and Nivedhitha K.S
15:40-16:00	Product-based Approximate Linear Programs	Online Algorithms for Matching Platforms	Dynamic Multinomial Logit Choice Model	Supply-Side Equilibria in Recommender	Monopolistic screening with buyers who
	for Network Revenue Management	with Multi-Channel Traffic	with Network Effects		sample
	Authors: Rui Zhang, Saied Samiedaluie and Dan Zhang	Authors: Vahideh Manshadi, <mark>Scott Rodilitz</mark> , Daniela Saban and Akshaya Suresh	Authors: Qing Feng and Zizhuo Wang	Authors: Meena Jagadeesan , Nikhil Garg and Jacob Steinhardt	Authors: Nicolas Pastrian

16:00-16:30	Networking Break		
CT Times	Plenary Room		
16:30 - 18:00	Plenary Session: Aranyak Mehta Distinguished Research Scientist at Google		
18:00 -18:10	Concluding Remarks		