ec16

17th ACM Conference on
Economics and Computation

PROGRAMME

SUNDAY 24 JULY

CAREFUL: TIMES ACROSS COLUMNS MAY NOT ALIGN EXACTLY

09:00-10:30	EC-TUT-AGTDS: TUTORIAL ON ALGORITHMIC GAME THEORY AND DATA SCIENCE (PART 1)	09:00-10:3O	EC-TUT-GTSOFTWARE1: TUTORIAL ON PRACTICAL GAME THEORY COMPUTATION (PART 1)
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.23 Ⓐ
09:00	*Jamie Morgenstern and Vasilis Syrgkanis* **Learning good mechanisms**	09:00	*Theodore Turocy* **Gambit and SageMath**
11:00-12:30	EC-TUT-AGTDS: TUTORIAL ON ALGORITHMIC GAME THEORY AND DATA SCIENCE (PART 2)	11:00-12:30	EC-TUT-GTSOFTWARE1: TUTORIAL ON PRACTICAL GAME THEORY COMPUTATION (PART 2)
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.23 Ⓐ
11:00	*Jamie Morgenstern and Vasilis Syrgkanis* **Econometric theory**	11:00	*Rahul Savani* **Game Theory Explorer**
		11:45	*Theodore Turocy* **Algorithms**
13:30-15:00	EC-AGTDS-SUN1330: WORKSHOP ON INTERFACE BETWEEN ALGORITHMIC GAME THEORY AND DATA SCIENCE (PART 1)	13:30-15:35	EC-CLOUD-SUN1330: WORKSHOP ON ECONOMICS OF CLOUD COMPUTING (PART 1)
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.23 Ⓐ
13:30	*Dominic Coey, Bradley Larsen and Kane Sweeney* **The Bidder Exclusion Effect**	13:30	*Noam Nisan* **ERA: A Framework for Economic Resource Allocation for the Cloud**
14:00	*Jan Christoph Schlegel* **Testing Choice Theories**	14:15	*Ludwig Dierks and Sven Seuken* **Cloud Pricing: The Spot Market Strikes Back**
14:30	*Jason Hartline and Samuel Taggart* **Non-revelation Mechanism Design**	14:35	*Darrell Hoy, Nicole Immorlica and Brendan Lucier* **On-Demand or Spot? Selling the Cloud to Risk-Averse Customers**
		14:55	*Virajith Jalaparti, Ivan Bliznets, Srikanth Kandula, Brendan Lucier and Ishai Menache* **Pretium: Dynamic Pricing and Traffic Engineering for Timely Inter-Datacenter Transfers**
		15:15	*Felix Fischer, Ian Kash, Peter Key and Junxing Wang* **Approximately Efficient Cost Sharing via Double Auctions**
15:30-17:10	EC-AGTDS-SUN1530: WORKSHOP ON INTERFACE BETWEEN ALGORITHMIC GAME THEORY AND DATA SCIENCE (PART 2)	16:05-17:30	EC-CLOUD-SUN1330: WORKSHOP ON ECONOMICS OF CLOUD COMPUTING (PART 2)
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.23 Ⓐ
15:30	*Denis Nekipelov* **Inference and Auction Design in Online Advertising**		
16:20	*Tim Roughgarden, Inbal Talgam-Cohen and Jan Vondrak* **When are Welfare Guarantees Robust?**	16:05	*Matthias Feldotto, Lennart Leder and Alexander Skopalik* **Congestion Games with Mixed Objectives**
16:30	*Pingzhong Tang and Yulong Zeng:* **How to Manipulate Truthful Prior Dependent Mechanisms**	16:25	*John Conley* **Dynamic Games for Market Dominance in the Cloud**
16:40	*Harikrishna Narasimhan and David C. Parkes:* **A General Statistical Framework for Designing Strategy-proof Assignment Mechanisms**	16:45	*Simon Wilkie* **The Price of Privacy in the Cloud, or The Economic Consequences of Mr. Snowden**
16:50	*Michael Albert, Vincent Conitzer and Peter Stone:* **Robust Automated Mechanism Design**		
17:00	*Michael Albert, Vincent Conitzer and Giuseppe Lopomo:* **Maximizing Revenue with Limited Correlation: The Cost of Ex-Post Incentive Compatibility**		

MONDAY 25 JULY

CAREFUL: TIMES ACROSS COLUMNS MAY NOT ALIGN EXACTLY

08:30-10:30	EC-AGTDS-MON830: WORKSHOP ON INTERFACE BETWEEN ALGORITHMIC GAME THEORY AND DATA SCIENCE (PART 3)	09:00-10:3O	EC-TUT-ELICML1: TUTORIAL ON ELICITATION AND MACHINE LEARNING (PART 1)	
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.23 Ⓐ	
08:30	*Yongdong Liu, Denis Nekipelov and Minjung Park* **Competition and Efficiency in Large Markets for Innovation: The Case of Mobile Applications on iTunes and Google Play**	09:00	*Rafael Frongillo and Bo Waggoner* **Foundations of elicitation**	
09:00	*Noam Nisan and Gali Noti* **An Experimental Evaluation of Regret-Based Econometrics**			
09:30	*Matthew Joseph, Michael Kearns, Jamie Morgenstern and Aaron Roth* **Fairness in Learning: Classic and Contextual Bandits**			
10:00	*Xi Alice Gao, James R. Wright and Kevin Leyton-Brown* **Incentivizing Evaluation via Limited Access to Ground Truth: Peer-Prediction Makes Things Worse**			
11:00-12:30	SURPRISE ACT AND NOBEL SESSION			
LOCATION >	Vrijthof Theater Ⓔ			
14:00-15:30	EC-ADAUC-MON14: WORKSHOP ON AD AUCTIONS (PART 1)	13:00-14:50	EC-TUT-ELICML2: TUTORIAL ON ELICITATION AND MACHINE LEARNING (PART 2)	
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.23 Ⓐ	
		13:00	*Rafael Frongillo and Bo Waggoner* **Connections to machine learning**	
14:00	*Various Speakers* **Mini-talks**			
14:30	*Patrick De Pas* **Criteo Bidding Strategy**			
16:00-17:30	EC-ADAUC-MON16: WORKSHOP ON AD AUCTIONS (PART 2)	15:00-17:30	EC-TUT-POKER: TUTORIAL ON COMPUTER POKER	EC-TUT-PREDICT: TUTORIAL ON DESIGN AND IMPLE-MENTATION OF COMBINATORI-AL PREDICTION MARKETS
LOCATION >	Aula Gothic Ⓐ	LOCATION >	A1.22 Ⓐ	A1.23 Ⓐ
		15:00	*Sam Ganzfried and Marc Lanctot (organizers)*	*Sébastien Lahaie and Miroslav Dudik (organizers)*
16:00	*Vahab Mirrokni, Renato Paes Lemes, Pingzhong Tang and Song Zuo* **Optimal Dynamic Mechanisms with Ex-Post IR via Bank Accounts**			
16:22	*Dylan Foster, Zhiyuan Li, Thodoris Lykouris, Karthik Sridharan and Éva Tardos* **Fast Convergence of Common Learning Algorithms in Games**			
16:45	*Dominic Coey and Seungwon Jeong* **Incentive Compatibility of VCG under Miscalibration**			
17:08	*Mark Hou, Eric Sodomka and Nicolas Stier-Moses* **Game Abstractions for Counterfactual Predictions in Online Markets**			
18:00-20:00	EC-MON18: RECEPTION AND POSTERS	(EC ONLY)		
LOCATION >	Vrijthof Museum / Grand Café Maastricht Soiron			

TUESDAY 26 JULY

09:00-10:30	EC-1A: AUCTION THEORY	09:00-10:30	EC-1B: MATCHING
LOCATION ›	Lecture Hall Ⓐ	LOCATION ›	Aula Gothic Ⓐ
09:00	*Tim Roughgarden and Okke Schrijvers* **Ironing in the Dark**	09:00	*John Dickerson, David Manlove, Benjamin Plaut, Tuomas Sandholm and James Trimble* **Position-Indexed Formulations for Kidney Exchange**
09:22	*Shuchi Chawla, Jason Hartline and Denis Nekipelov* **A/B Testing of Auctions**	09:22	*Sepehr Assadi, Sanjeev Khanna and Yang Li* **The Stochastic Matching Problem with (Very) Few Queries**
09:45	*Amos Fiat, Kira Goldner, Anna Karlin and Elias Koutsoupias* **The FedEx Problem**	09:45	*Ravi Jagadeesan* **Cadet-Branch Matching in a Quasi-Linear Labor Market**
10:08	*Robert Kleinberg, Bo Waggoner and Glen Weyl* **Descending Price Optimally Coordinates Search**	10:08	*Jan Christoph Schlegel* **Virtual Demand and Stable Mechanisms**
11:00-12:30	EC-BEST: BEST PAPER AND BEST DISSERTATION AWARD PRESENTATIONS		
LOCATION ›	Greek Aula Ⓖ		
11:00	*Piotr Dworczak* **Deferred Acceptance with Compensation Chains**		
11:30	*Kobi Gal, Moshe Mash, Ariel Procaccia and Yair Zick* **Which Is the Fairest (Rent Division) of Them All?**		
12:00	*Inbal Talgam-Cohen* **SIGecom Doctoral Dissertation Award presentation**		
14:00-15:30	EC-2A: MECHANISM DESIGN AND AUCTION THEORY	14:00-15:30	EC-2B: INFORMATION ELICITATION
LOCATION ›	Lecture Hall Ⓐ	LOCATION ›	Aula Gothic Ⓐ
14:00	*Andrew Kephart and Vincent Conitzer* **The Revelation Principle for Mechanism Design with Reporting Costs**	14:00	*Amir Ban, Yishay Mansour and Yossi Azar* **When Should an Expert Make a Prediction?**
14:22	*Zihe Wang and Pingzhong Tang* **Optimal Auctions for Negatively Correlated Items**	14:22	*Rachel Cummings, David Pennock and Jennifer Wortman Vaughan* **The Possibilities and Limitations of Private Prediction Markets**
14:45	*Kyle Woodward* **Strategic Ironing in Pay-as-Bid Auctions: Equilibrium Existence with Private Information**	14:45	*Christian Kroer, Miroslav Dudik, Sébastien Lahaie and Sivaraman Balakrishnan* **Arbitrage-Free Combinatorial Market Making via Integer Programming**
15:08	*Marek Pycia and Kyle Woodward* **Pay-as-Bid: Selling Divisible Goods**	15:08	*Victor Shnayder, Arpit Agarwal, Rafael Frongillo and David Parkes* **Informed Truthfulness in Multi-Task Peer Prediction**
15:50-17:40	EC-3A: MECHANISM DESIGN AND AUCTION THEORY	15:50-17:40	EC-3B: COMPUTATIONAL SOCIAL CHOICE
LOCATION ›	Lecture Hall Ⓐ	LOCATION ›	Aula Gothic Ⓐ
15:50	*Pingzhong Tang, Zihe Wang, and Xiaoquan (Michael) Zhang* **Optimal Commitments in Asymmetric Auctions with Incomplete Information**	15:50	*Michal Feldman, Amos Fiat and Iddan Golmb* **On Voting and Facility Location**
16:12	*Itai Ashlagi, Costis Daskalakis and Nima Haghpanah* **Sequential Mechanisms with Ex-post Participation Guarantees**	16:12	*Ashish Goel and Lee David* **Towards Large-Scale Deliberative Decision-Making: Small Groups and the Importance of Triads**
16:34	*Ian Kash and Rafael Frongillo* **Optimal Auctions with Restricted Allocations**	16:34	*Ioannis Caragiannis, David Kurokawa, Hervé Moulin, Ariel Procaccia, Nisarg Shah and Junxing Wang* **The Unreasonable Fairness of Maximum Nash Welfare**
16:56	*Costis Daskalakis, Christos Papadimitriou and Christos Tzamos* **Does Information Revelation Improve Revenue?**	16:56	*Ioannis Caragiannis, George Krimpas and Alexandros Voudouris* **How Effective Can Simple Ordinal Peer Grading Be?**
17:18	*Michal Feldman, Ophir Friedler, Jamie Morgenstern and Guy Reiner* **Simple Mechanisms for Agents with Complements**	17:18	*Antoine Desir, Vineet Goyal and Danny Segev* **Assortment Optimization under a Random Swap based Distribution over Permutations Model**
18:00-19:00	GAMES: VON NEUMANN LECTURE *Sylvain Sorin* **Asymptotic Value of Dynamic Games**		
LOCATION ›	Lecture Hall Ⓐ		
19:30-22:30	CONFERENCE DINNER		
LOCATION ›	"D'n Awwe Stiene" Church Ⓕ		

WEDNESDAY 27 JULY

09:00-10:30	EC-4A: MODELS OF BEHAVIOR AND INTERNET APPLICATIONS	09:00-10:30	EC-4B: MARKET ALGORITHMS
LOCATION ›	Lecture Hall Ⓐ	LOCATION ›	Aula Gothic Ⓐ
09:00	*Jon Kleinberg, Sigal Oren and Manish Raghavan* **Planning Problems for Sophisticated Agents with Present Bias**	09:00	*Vincent Cohen Addad, Alon Eden, Michal Feldman and Amos Fiat* **The Invisible Hand of Dynamic Market Pricing**
09:22	*Nick Gravin, Nicole Immorlica, Brendan Lucier and Emmanouil Pountourakis* **Procrastination with Variable Present Bias**	09:22	*Shaddin Dughmi, Alon Eden, Michal Feldman, Amos Fiat and Stefano Leonardi* **Lottery Pricing Equilibria**
09:45	*Saeed Alaei, Azarakhsh Malekian and Mohamed Mostagir* **A Dynamic Model of Crowdfunding**	09:45	*Nathaniel Kell and Debmalya Panigrahi* **Online Budgeted Allocation with General Budgets**
10:12	*Aggelos Kiayias, Elias Koutsoupias, Maria Kyropoulou and Yiannis Tselekounis* **Blockchain Mining Games**	10:12	*Wang Yajun and Sam Chiu-wai Wong* **Matroid Online Bipartite Matching and Vertex Cover**
11:00-12:30	EC PLENARY SESSION AND KALAI PRIZE		
LOCATION ›	Lecture Hall Ⓐ		
11:00	EC PLENARY TALK *Keith Chen* **Dynamic Pricing in a Labor Market: Surge Pricing and Flexible Work on the Uber Platform**		
11:45	KALAI PRIZE TALK *Tim Roughgarden* **Intrinsic Robustness of the Price of Anarchy**		
12:30-14:00	EC BUSINESS MEETING (ALL ARE WELCOME)		
LOCATION ›	Aula Gothic Ⓐ		
14:00-15:30	EC-5A: COMPUTATIONAL GAME THEORY	14:00-15:30	EC-5B: ONLINE BEHAVIOR AND SYSTEMS
LOCATION ›	Lecture Hall Ⓐ	LOCATION ›	Aula Gothic Ⓐ
14:00	*Christian Kroer and Tuomas Sandholm* **Imperfect-Recall Abstractions with Bounds in Games**	14:00	*Quinn Ye, Saarthak Malik, Ji Chen and Haijun Zhu* **The Seasonality Of Paid Search Effectiveness From A Long Running Field Test**
14:22	*Yannai Gonczarowski and Moshe Tennenholtz* **A Hydraulic Approach to Equilibria of Resource Selection Games**	14:22	*Thomas Blake, Chris Nosko and Steven Tadelis* **Returns to Consumer Search: Evidence from eBay**
14:45	*Umang Bhaskar, Yu Cheng, Young Kun Ko and Chaitanya Swamy* **Hardness Results for Signaling in Bayesian Zero-Sum and Network Routing Games**	14:45	*Ziv Epstein, Alexander Peysakhovich and David Rand* **The Good, the Bad, and the Unflinchingly Selfish: Cooperative Decision-Making can be Predicted with high Accuracy when using only Three Behavioral Types**
15:08	*Xu Haifeng* **The Mysteries of Security Games**	15:08	*Ceren Budak, Sharad Goel, Justin Rao and Georgios Zervas* **Understanding Emerging Threats to Online Advertising**
16:00-17:00	GAMES: MORGENSTERN LECTURE *Thomas Palfrey* **Trading Votes for Votes - A Decentralized Matching Algorithm**		
LOCATION ›	Lecture Hall Ⓐ		
17:20 - 18.50	EC-6A: REVENUE OPTIMIZATION AND PRICING	17:20 - 18.50	EC-6B: SOCIAL NETWORKS
LOCATION ›	Lecture Hall Ⓐ	LOCATION ›	Aula Gothic Ⓐ
17:20	*Shuchi Chawla and Benjamin Miller* **Mechanism Design for Subadditive Agents via an Ex Ante Relaxation**	17:20	*Jie Gao, Golnaz Ghasemiesfeh, Grant Schoenebeck and Fang-Yi Yu* **General Threshold Model for Social Cascades: Analysis and Simulations**
17:42	*Hamid Nazerzadeh, Renato Paes Leme, Afshin Rostamizadeh and Umar Syed* **Where to Sell: Simulating Auctions From Learning Algorithms**	17:42	*Mehrdad Moharrami, Vijay Subramanian, Mingyan Liu and Marc Lelarge* **Impact of Community Structure on Cascades**
18:05	*Agrawal Shipra, Vashist Avadhanula, Vineet Goyal and Assaf Zeevi* **A Near-Optimal Exploration-Exploitation Approach for Assortment Selection**	18:05	*Noga Alon, Michal Feldman, Yishay Mansour, Sigal Oren and Moshe Tennenholtz* **Dynamics of Evolving Social Groups**
18:28	*Tim Roughgarden and Joshua Wang* **Minimizing Regret with Multiple Reserves**	18:28	*Marcin Dziubinski, Sanjeev Goyal and David Minarsch* **Dynamic Conflict on A Network**
19:00-01:00	BRIGHTLANDS PARTY - SCIENCE, FOOD, DRINKS AND CULTURE		
LOCATION ›	Muziekgieterij Ⓖ		

THURSDAY 27 JULY

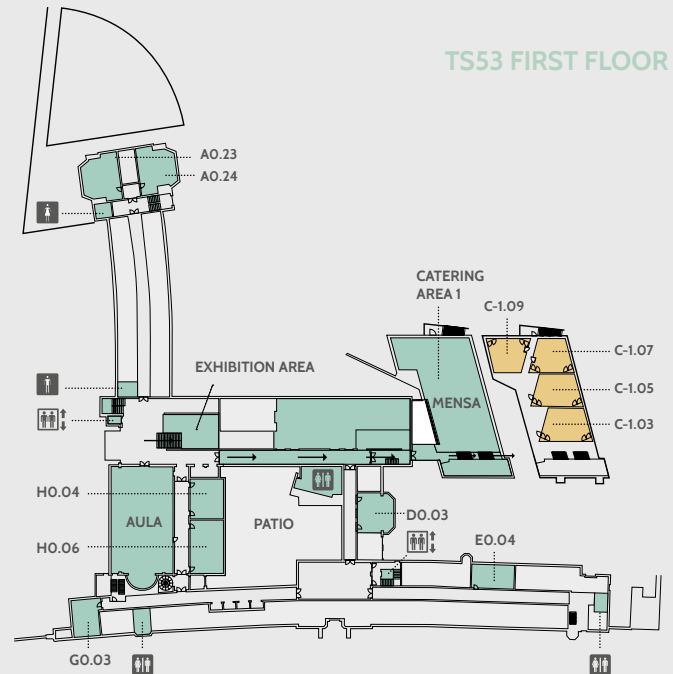|			
09:00-10:30	**EC-7A: PRICING, PRIVACY AND ECONOMICS OF INFORMATION**	09:00-10:30	**EC-7B: MARKET EQUILIBRIUM AND EQUILIBRIUM COMPUTATION**
LOCATION ›	Lecture Hall Ⓐ	**LOCATION ›**	Aula Gothic Ⓐ
09:00	*Maxime Cohen, Georgia Perakis and Robert Pindyck* **Pricing with Limited Knowledge of Demand**	09:00	*Joseph Halpern, Rafael Pass and Lior Seeman* **Computational Extensive-Form Games**
09:22	*Rachel Cummings, Katrina Ligett, Mallesh Pai and Aaron Roth* **The Strange Case of Privacy in Equilibrium Models**	09:22	*Xiaohui Bei, Jugal Garg and Martin Hoefer* **Ascending-Price Algorithms for Unknown Markets**
09:45	*Yishay Mansour, Aleksandrs Slivkins, Vasilis Syrgkanis and Zhiwei Steven Wu* **Bayesian Exploration: Incentivizing Exploration in Bayesian Games**	09:45	*Ozan Candogan, Markos Epitropou and Rakesh Vohra* **Competitive Equilibrium and Trading Networks: A Network Flow Approach**
10:08	*Shaddin Dughmi, David Kempe and Ruixin Qiang* **Persuasion with Limited Communication**	10:08	*Ioannis Panageas and Georgios Piliouras* **Average Case Performance of Replicator Dynamics in Potential Games via Computing Regions of Attraction**
11:00-12:30	**EC-8A: TRUST, RECOMMENDATION AND FINANCIAL SYSTEMS**	11:00-12:30	**EC-8B: MARKET DESIGN**
LOCATION ›	Lecture Hall Ⓐ	**LOCATION ›**	Aula Gothic Ⓐ
11:00	*Frank Cheng, Junming Liu, Kareem Amin and Michael Wellman* **Strategic Payment Routing in Financial Credit Networks**	11:00	*Thayer Morrill* **Petty Envy When Assigning Objects**
11:22	*Grant Schoenebeck, Aaron Snook and Fang-Yi Yu* **Sybil Detection Using Latent Network Structure**	11:22	*Avinatan hassidim, Romm Assaf and Ran I. Shorrer* **"Strategic" Behavior in a Strategy-proof Environment**
11:45	*Gal Bahar, Moshe Tennenholtz and Rann Smorodinsky* **Economic Recommendation Systems**	11:45	*Maximilien Burq, Itai Ashlagi, Patrick Jaillet and Vahideh Manshadi* **On Matching and Thickness in Heterogeneous Dynamic Markets**
12:08	*Steffen Schuldenzucker, Sven Seuken and Stefano Battison* **Clearing Payments in Financial Networks with Credit Default Swaps**	12:08	*Itai Ashlagi and Afshin Nikzad* **What Matters in School Choice Tie-breakings? How Competition Guides Design**
13:30 - 14:40	**EC-9A: MECHANISM DESIGN**	13:30 - 14:40	**EC-9B: EFFICIENCY AND PRICING**
LOCATION ›	Concert Hall Ⓓ	**LOCATION ›**	Aula Gothic Ⓐ
13:30	*Timo Mennle and Sven Seuken* **The Pareto Frontier for Random Mechanisms**	13:30	*Richard Cole and Yixin Tao* **Large Market Games with Near Optimal Efficiency**
13:52	*Dimitris Fotakis, Christos Tzamos and Manolis Zampetakis* **Mechanism Design with Selective Verification**	13:52	*Jacob Abernethy, Sébastien Lahaie and Matus Telgarsky* **Rate of Price Discovery in Iterative Combinatorial Auctions**
14:15	*Joosung Lee* **Mechanisms with Referrals: VCG Mechanisms and Multilevel Mechanisms**	14:15	*Yiwei Chen and Vivek Farias* **On the Efficacy of Static Prices for Revenue Management in the Face of Strategic Customers**
15:00-16:10	**EC-10A: DYNAMIC MECHANISM DESIGN AND POSITION AUCTIONS**	15:00-16:10	**EC-10B: RESOURCE ALLOCATION AND PREFERENCE REVELATION**
LOCATION ›	Lecture Hall Ⓐ	**LOCATION ›**	Aula Gothic Ⓐ
15:00	*Paul Duetting, Felix Fischer and David Parkes* **Truthful Outcomes from Non-Truthful Position Auctions**	15:00	*Mohammad Hossein Bateni, Yiwei Chen, Dragos Ciocan and Vahab Mirrokni* **Fair Resource Allocation in A Volatile Marketplace**
15:22	*Santiago Balseiro, Omar Besbes and Gabriel Y. Weintraub* **Dynamic Mechanism Design with Budget Constrained Buyers under Limited Commitment**	15:22	*Nathan Kallus and Madeleine Udell* **Revealed Preference at Scale: Learning Personalized Preferences from Assortment Choices**
15:45	*Maxime Cohen, Ilan Lobel and Renato Paes Leme* **Feature-based Dynamic Pricing**	15:45	*Vittorio Bilò and Cosimo Vinci* **Dynamic Taxes for Polynomial Congestion Games**
16:15-17:00	**EC-TESTOFTIME** *Craig Tovey and Michael Trick* **SIGecom Test of Time Award Presentation** J. Bartholdi and J. Orlin, Single Transferable Vote resists strategic voting. Social Choice and Welfare 8:341–354, 1991. J. Bartholdi, C. Tovey, M. Trick, How hard is it to control an election?, Mathematical and Computer Modelling 16 (8-9), 27–40, 1992.		
LOCATION ›	Lecture Hall Ⓐ		
17:00-19:00	FAREWELL BBQ (EC ONLY)		
LOCATION ›	Mensa Ⓐ		

FLOORPLANS

TS53 SECOND FLOOR

A1.23
A1.22

G1.01
G1.15A
G1.15B

TS53 FIRST FLOOR

A0.23
A0.24

CATERING AREA 1
C-1.09
C-1.07
C-1.05
C-1.03

EXHIBITION AREA
MENSA

H0.04
AULA
PATIO
D0.03
E0.04
H0.06

G0.03

TS53 GROUND FLOOR

CATERING AREA 3
LH
KH

TS49
0.008
0.009
0.010
0.011
0.012

CATERING AREA 2

P
TERRACE
AF
R

ENTRANCE GATE
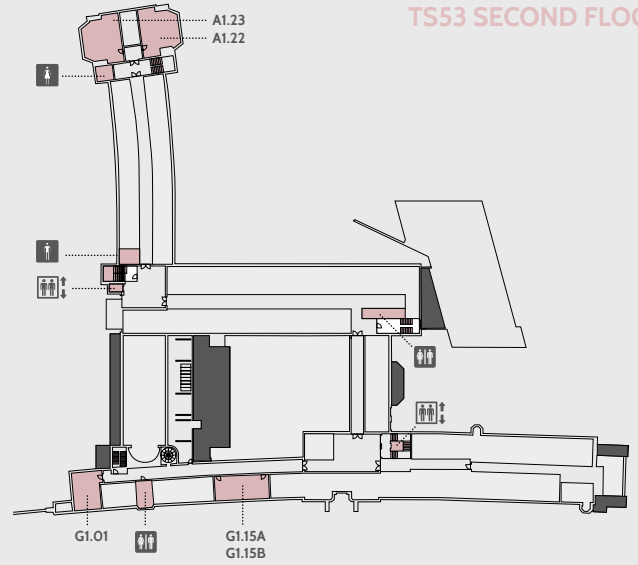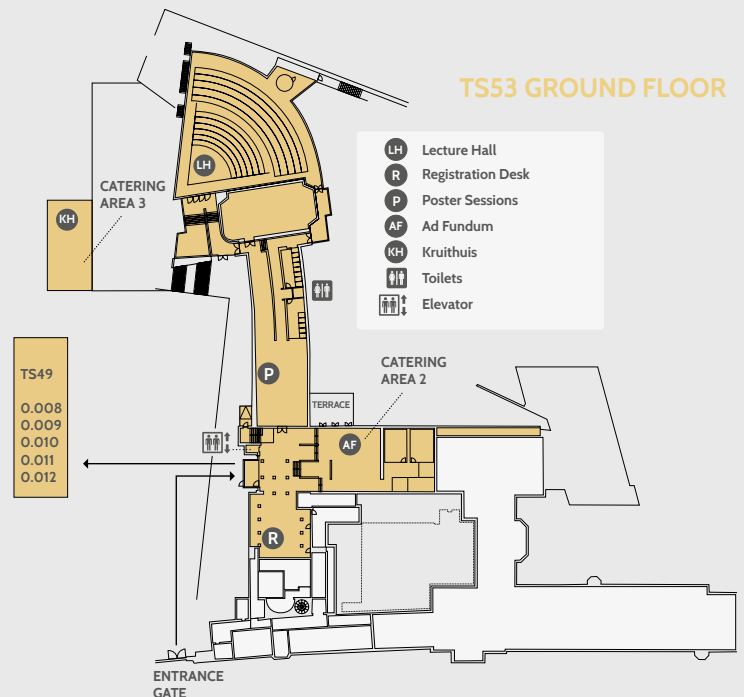
LH Lecture Hall
R Registration Desk
P Poster Sessions
AF Ad Fundum
KH Kruithuis
Toilets
Elevator