

# 2018 Conference on Mechanism and Institution Design

## *The Conference Programme*

Society for the Promotion of Mechanism and Institution Design

&

Durham University Business School

12-13 May 2018

Durham, UK



## **Programme Committee**

**SPMiD**    Zaifu Yang

**Durham**    Daniel Z. Li  
                  Bibhas Saha  
                  Ayse Yazici  
                  Xiaogang Che  
                  Simone Tonin  
                  Anil Yildizparlak

## **Society Homepage**

<http://www.mechanism-design.org/society.php>

## **Conference Homepage**

<https://www.dur.ac.uk/business/news-and-events/event-details/?id=37684>

## **Acknowledgements**

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## Instructions

- All keynote addresses and all parallel sessions will be held at Durham University Business School (DUBS), Mill Hill Lane (MHL), Durham, DH1 3LB.
- In each parallel session, the last speaker should chair all but her/his own presentation, while the first speaker should chair the last speaker's presentation. Each presentation is 30 minutes long and should be strictly observed.
- Each session consists of three presentations except the last three parallel sessions which consist of four presentations.
- At the beginning of each session, for your presentation, a PhD student will be available to help you upload your PDF or PPT file to the local system.
- During lunch, tea and coffee and gala dinner time, every participant is kindly requested to wear the conference badge.
- There will be coach service for delegates from Radisson Blu Hotel to DUBS at **8:30** on Saturday, 12 May and at **09:00** on Sunday, 13 May.
- There will also be coach service from DUBS to the railway station with a drop off point in the city centre at **15:50** on Sunday, 13 May.

## Lunches and Dinner

- Lunches, tea, coffee and biscuits will be provided at DUBS Bar Lounge, May 12-13, 2018.
- The gala dinner will be held in Joachim Room, College of St Hild & St Bede, St Hild's Lane, Durham DH1 1SZ at 19:00-21:00 on Saturday 12 May. There will be coach service for delegates from DUBS to College of St Hild & St Bede at **18:15** on Saturday, 12 May.
- You will be given a gala dinner table number when you receive this brochure.

## **Programme Overview**

### **Day 1: Sat 12th May 2018**

|   |             |
|---|-------------|
| Coach from Radisson Blu to DUBS                 | 08:30       |
| Registration                                    | 08:30-09:00 |
| 3 Parallel Sessions                             | 09:00-10:30 |
| Break   | 10:30-11:00 |
| Welcome Remarks                                 | 11:00-11:15 |
| Keynote Address                                 | 11:15-12:15 |
| Lunch   | 12:15-13:15 |
| 3 Parallel Sessions                             | 13:15-14:45 |
| Break   | 14:45-15:00 |
| 3 Parallel Sessions                             | 15:00-16:30 |
| Break   | 16:30-17:00 |
| Keynote Address                                 | 17.00-18.00 |
| Coach from DUBS to College of St Hild & St Bede | 18:15       |
| Gala Dinner                                     | 19:00-21:00 |

### **Day 2: Sun 13th May 2018**

|  |             |
|--|-------------|
| Coach from Radisson Blu to DUBS                | 09:00       |
| 3 Parallel Sessions                            | 09:30-11:00 |
| Break  | 11:00-11:30 |
| Keynote Address                                | 11:30-12:30 |
| Lunch  | 12:30-13:30 |
| 3 Parallel Sessions                            | 13:30-15:30 |
| Coach from DUBS to railway station\city centre | 15:50       |

## **Welcome Remarks**

Room: MHL452

**Sat 12th May 2018; 11:00—11:15**

Richard Harris (Research Dean, DUBS)

Zaifu Yang (Chair, SPMiD)

Chair: Bibhas Saha (Durham University Business School)

## **Keynote Addresses**

**Sat 12th May 2018; 11:15—12:15**

Vincent Crawford (University of Oxford)

Title: Efficient Mechanisms for Level- $k$  Bilateral Trading

Chair: Zaifu Yang (University of York)

**Sat 12th May 2018; 17:00—18:00**

David Martimort (Paris School of Economics)

Title: “When Olson Meets Dahl”: From Inefficient Groups Formation to Inefficient Policy-Making

Chair: Daniel Li (Durham University Business School)

**Sun 13th May 2018; 11:00—12:00**

Hervé Moulin (University of Glasgow)

Title: Fair Division in the Age of Internet

Chair: Onur Kesten (Carnegie Mellon University Tepper School of Business)

## Parallel Session Overview Day 1:

### Day 1 Parallel Sessions 1 (09:00-10:30, Sat 12<sup>th</sup> May 2018)

|  |                                     |  |
|--|-------------------------------------|--|
| <b>A1:</b> Matching 1<br>Room: MHL 452 | <b>B1:</b> Auction<br>Room: MHL 454 | <b>C1:</b> Mechanism Design 1<br>Room: MHL 405 |
|--|-------------------------------------|--|

### Day 1 Parallel Sessions 2 (13:15-14:45, Sat 12<sup>th</sup> May 2018)

|  |  |   |
|--|--|---|
| <b>A2:</b> Matching 2<br>Room: MHL 452 | <b>B2:</b> Sequential Auction<br>Room: MHL 454 | <b>C2:</b> Game Theory<br>Room: MHL 405 |
|--|--|---|

### Day 1 Parallel Sessions 3 (15:00-16:30, Sat 12<sup>th</sup> May 2018)

|  |  |  |
|--|--|--|
| <b>A3:</b> Matching 3<br>Room: MHL 452 | <b>B3:</b> Information and Learning<br>Room: MHL 405 | <b>C3:</b> Mechanism Design 2<br>Room: MHL 405 |
|--|--|--|

## Parallel Session Overview Day 2:

### Day 2 Parallel Sessions 4 (09:30-11:00, Sun 13<sup>th</sup> May 2018)

|  |  |   |
|--|--|---|
| <b>A4:</b> Matching 4<br>Room: MHL 452 | <b>B4:</b> Sequential Search/<br>Assignment<br>Room: MHL 454 | <b>B4:</b> Contract Theory<br>Room: MHL 454 |
|--|--|---|

### Day 2 Parallel Sessions 5 (13:30-15:30, Sun 13<sup>th</sup> May 2018)

|  |  |                                    |
|--|--|------------------------------------|
| <b>A5:</b> Contests/Information<br>Room: MHL 452 | <b>B5:</b> Mechanism Design 3<br>Room: MHL 454 | <b>C5:</b> Voting<br>Room: MHL 405 |
|--|--|------------------------------------|



## Parallel Sessions 1 (09:00-10:30, 12 May) Day 1

### A1: Matching 1

Room: MHL 452

- Jörgen Kratz, Lund University. Triage in Kidney Exchange.
- Battal Doğan, University of Lausanne. Unified Enrollment in School Choice: How to Improve Student Assignment in Chicago.
- Péter Biró, Institute of Economics, Hungarian Academy of Sciences. Complexity of finding Pareto-efficient allocations of highest welfare.

### B1: Auction

Room: MHL 454

- Shigehiro Serizawa, Osaka university. Minimum price Walrasian equilibrium for general preferences: Serial Vickrey mechanisms.
- Xiaogang Che, Durham University Business School. Deposit Requirements in Auctions with Buyer Search.
- Zaifu Yang, University of York. Efficient Ascending Menu Auctions with Budget Constrained Bidders.

### C1: Mechanism Design 1

Room: MHL 405

- Siyang Xiong, University of Bristol. Designing Referenda: An Economist's Pessimistic Perspective.
- Kim-Sau Chung, Hong Kong Baptist University. Conservative Experts (e.g., Judges) in a Changing Society
- Bo Chen, University of Warwick. Incentive Schemes to Resolve Parkinson's Law in Project Management.

## **Parallel Sessions 2 (13:15-14:45, 12 May) Day 1**

### **A2: Matching 2**

Room: MHL 452

- Ayşe Yazıcı, Durham University Business School. A Closer Look at Incentives in Senior Level Decentralized Random Matching Markets.
- Christoph Schlegel, City, University of London. Group-Strategy-Proof and Stable Mechanisms for Job Matching with Continuous Transfers.
- Onur Kesten, Carnegie Mellon University Tepper School of Business. Efficient and Incentive Compatible Mediation: An Ordinal Mechanism Design Approach.

### **B2: Sequential Auction**

Room: MHL 454

- Audrey Hu, City University of Hong Kong. Multi-Object Auctions with Ensuing Competition.
- Daniel Li, Durham University Business School. Sequential Search Auctions with a Deadline.
- Jingfeng Lu, National University of Singapore. Optimal Sequential Shortlisting in Auctions with Costly Information Acquisition.

### **C2: Game Theory**

Room: MHL 405

- Maria Kozlovskaya, Aston Business School. Characterising Mixed Equilibria in a Market Game.
- Mark Voorneveld, Stockholm School of Economics. Best-response equivalence and quadratic scoring rules.
- Indrajit Ray, University of Cardiff. Any Outcome is an Interior Equilibrium in a Market.

## **Parallel Sessions 3 (15:00-16:30, 12 May) Day 1**

### **A3: Matching 3**

Room: MHL 452

- Li Chen, University of Gothenburg. Designing Heaven's Will: Assigning Civil Servants by Drawing Lots in Imperial China.
- Alberto Vesperoni, University of Klagenfurt. A Threshold Model of Urban Development.
- Alex Teytelboym, University of Oxford. Refugee Resettlement.

### **B3: Information and Learning**

Room: MHL 454

- Alexei Parakhonyak, University of Oxford. Inducing Herding with Capacity Constraints.
- Peter Bayer, Maastricht University. Adaptive Learning in Weighted Network Games.
- Nora Szech, Karlsruhe Institute of Technology. Information Design and Self Control.

### **C3: Mechanism Design 2**

Room: MHL 405

- Eugene Jeong, University of Bristol. Referral Incentive Design.
- Albin Erlanson, Stockholm School of Economics. Optimal allocation with verifiable information.
- Yuan Ju, University of York. Divide and Choose: A strategic approach to bankruptcy problems.

## **Parallel Sessions 4 (09:30-11:00, 13 May) Day 2**

### **A4: Matching 4**

Room: MHL 452

- Flip Klijn, Institute for Economic Analysis (IAE-CSIC). The Core of Roommate Problems: Size and Rank-Fairness within Matched Pairs.
- Bettina Klaus, University of Lausanne. Top Trading Cycles, Consistency, and Acyclic Priorities for House Allocation with Existing Tenants.
- Tamás Fleiner, Budapest University of Technology and Economics. Efficient Assignments in Generalized Roommates Problems.

### **B4: Sequential Search/Assignment**

Room: MHL 454

- Joosung Lee, University of Edinburgh. Dynamics of Optimal Search Intensity.
- Patrick Harless, University of Glasgow. Efficient Rules for Probabilistic Assignment.
- Kaustav Das, University of Exeter. Strategic Experimentation with Asymmetric Players.

### **C4: Contract Theory**

Room: MHL 405

- Yangguang Huang, HKUST. Supervisory Efficiency, Collusion, and Contract Design.
- Larry Yu Chen, University of Graz. Simplification of Contracting under Adverse Selection with Ex Post State.
- Andrew Clausen, University of Edinburgh. Extreme Incentives.

## Parallel Sessions 5 (13:30-15:30, 13 May) Day 2

### A5: Contests/Information

Room: MHL 452

- Zhuoqiong Chen, HIT. Information Disclosure in Contests: Private vs. Public Signals.
- Bo Chen, Southern Methodist University. Optimal Disclosure Policy in Dynamic Research Tournaments.
- Simone Tonin, Durham University Business School. Existence and Optimality of Cournot-Nash Equilibria in a Bilateral Oligopoly with Atoms and an Atomless Part.
- Andy Zapechelnyuk, University of Saint Andrews. Persuasion Meets Delegation.

### B5: Mechanism Design 3

Room: MHL 454

- Michele Lombardi, University of Glasgow. Constrained Implementation.
- Helmut Azacis, University of Cardiff. Repeated Implementation with Overlapping Generations of Agents.
- Andrew Mackenzie, Maastricht University. Club good mechanisms: from free-riders to citizen-shareholders, from impossibility to characterization.
- Ángel Hernando-Veciana, Universidad Carlos III. A Geometric Approach to the Complexity of Mechanisms.

### C5: Voting/Game Theory

Room: MHL 405

- Huaxia Zeng, Shanghai University of Finance and Economics. Probabilistic Generalized Median Voter Schemes: A Robust Characterization.
- Monica Giovanniello, University of Verona. Market for Votes: Conflict, Distribution, and Welfare.
- Siddhartha Bandyopadhyay, University of Birmingham. Conflict and Leadership: Why is there a Hawkish Drift in Politics?
- Bibhas Saha, Durham University Business School. Rational bettors and corrupt book-making.

## **Emergency Calls**

- 999 is the official emergency number in the UK. You should call this number, when there is danger to life or when violence is being used or threatened.
- 101 is the number to call when you want to contact local police – when it's less urgent than a 999 call.