



International Society of Dynamic Games (ISDG) - China Chapter Conference on Dynamic Games and Game Theoretic Analysis

August 3-5, 2017, The University of Nottingham Ningbo China

Programme Agenda

Thursday 3 rd August 2017		
8:00 - 8:45	Registration	DB Lobby
8:45 – 9:15	Opening Ceremony and Welcome Address by Provost Professor Chris Rudd Group Photo	DB A05
9:15 – 10:45	Plenary Session 1 <i>Strategic Use of Seller Information in Private-value First-price Auction</i> Speaker: Shmuel Zamir	DB A05
10:45 – 11:00	Coffee break	DB A04 B01
11:00 – 12:15	Parallel Sessions 1A	DB A04
11:00 – 12:15	Parallel Sessions 1B	DB B01
12:15-13:30 Lunch		The Third Space
13:30 – 14:45	Parallel Sessions 2A	DB A04
13:30 – 14:45	Parallel Sessions 2B	DB B01
15:00 – 16:15	Parallel Sessions 3A	DB A04
15:00 – 16:15	Parallel Sessions 3B	DB B01
16:15 – 16:30	Coffee break	DB A04 B01
16:30 – 18:00	Plenary Session 2 <i>Strongly Time-Consistent Solutions in Cooperative Dynamic Games</i> Speaker: Leon Petrosjan	DB A05
18:30	Welcome Dinner	Sofitel Hotel

Friday 4th August 2017

9:00 – 10:30	Plenary Session 3 <i>Non-Deceptive Counterfeiting and Consumer Welfare: A differential Game Approach</i> Speaker: Georges Zaccour	DB A05
10:30 – 10:45	Coffee break	DB A04 B01
10:45 – 12:00	Parallel Sessions 4A	DB A04
10:45 – 12:00	Parallel Sessions 4B	DB B01
12:15-13:30 Lunch		The Third Space
13:30 – 14:45	Parallel Sessions 5A	DB A04
13:30 – 14:45	Parallel Sessions 5B	DB B01
15:00 – 16:15	Parallel Sessions 6A	DB A04
15:00 – 16:15	Parallel Sessions 6B	DB B01
16:30 – 18:00	Cocktail Reception	Staff Canteen
18:15	Dinner	Staff Canteen

Saturday 5th August 2017

9:00 – 10:15	Parallel Sessions 7A	DB A04
9:00 – 10:15	Parallel Sessions 7B	DB B01
10:15 – 10:30	Coffee break	DB A04 B01
10:30 – 12:00	Plenary Session 4 <i>Dynamically Stable Provision of Public Goods: A NTU Cooperative Differential Game Approach</i> Speaker: David Yeung	DB A05
12:00 – 12:30	Closing Ceremony	DB A05
12:30 - 13:30 Lunch		The Third Space
13:30 – 17:30	Cultural Event	Gather in front of DB
17:30	Dinner	Zhuang Yuan Lou

	Thursday 3rd August 2017	Friday 4th August 2017	Saturday 5th August 2017
8:00 - 8:45	Registration		
8:45 - 9:00	Opening Ceremony Welcome Address Provost Professor Chris Rudd		
9:00 - 9:15	DB A05 Group Photo	Plenary Session 3 DB A05	Parallel Session 7A DB A04
9:15 - 10:30	Plenary Session 1 DB A05		Parallel Session 7B DB B01 Coffee Break
10:30-10.45		Coffee Break	Plenary Session 4 DB A05
10:45 - 11:00	Coffee Break	Parallel Session 4A DB A04	
11:00 - 12:00	Parallel Session 1A DB A04	Parallel Session 4B DB B01	
12:00 - 12:15	Parallel Session 1B DB B01	Lunch	Closing Ceremony Chair: Shravan Luckraz DB A05
12:15 - 13:30	Lunch		Lunch 12:30
13:30 - 14:45	Parallel Session 2A DB A04 Parallel Session 2B DB B01	Parallel Session 5A DB A04 Parallel Session 5B DB B01	Cultural Event
14:45 - 15:00	Break	Break	
15:00 - 16:15	Parallel Session 3A DB A04 Parallel Session 3B DB B01	Parallel Session 6A DB A04 Parallel Session 6B DB B01	
16:15 - 16:30	Coffee Break		
16:30 - 18:00	Plenary Session 2 DB A05	Cocktail Reception	Dinner 17:30
	Welcome Dinner 18:30	Dinner 18:15	

Plenary lectures

- **Plenary 1 Shmuel Zamir** *Strategic Use of Seller Information in Private-value First-price Auction.* Chair: Shravan Luckraz
- **Plenary 2 Leon Petrosjan** *Strongly Time-Consistent Solutions in Cooperative Dynamic Games.* Chair: David Yeung
- **Plenary 3 Georges Zaccour** *Non-Deceptive Counterfeiting and Consumer Welfare: A differential Game Approach.* Chair: Shravan Luckraz
- **Plenary 4 David Yeung** *Dynamically Stable Provision of Public Goods: A NTU Cooperative Differential Game Approach.* Chair: Chee Kian Leong

Parallel sessions

Thursday 3rd August 2017

11:00 – 12:15

<p>Parallel Session 1A <i>Dynamic Cooperative Game Theory</i> DB A04 Chair: Li, Yin</p> <p>Li, Yin <i>Construction of Strongly Time-Consistent Subcore in the Game with Spanning Tree</i></p> <p>Wang, Lei <i>Strategic Stability of Cooperative Solutions for Infinite Stage Games on Trees</i></p> <p>Lu, Lijue <i>Time-Consistent Equilibria in Cooperative Advertising in Supply Chain Management</i></p>	<p>Parallel Session 1B <i>Network</i> DB B01 Chair: Cui, Zhiwei</p> <p>Cui, Zhiwei <i>Passive Connections, Lock-In and Welfare</i></p> <p>Sun, Ping <i>Two-Stage Network Games Based on “the Belt and Road Initiative”</i></p> <p>Sun, Yang <i>Contract for Teams with Spillover Effect on Networks</i></p>
--	--

13:30 – 14:45

<p>Parallel Session 2A <i>Solution Concepts in Noncooperative Game Theory</i> DB A04 Chair: Qian, Xuewen</p> <p>Qian, Xuewen <i>Iterated Elimination Procedures</i></p> <p>Hsieh, Yue-Da <i>On Closedness under Dominance and Order (In)dependence of Iterated Strict Dominance</i></p> <p>Qiao, Yongchuan <i>tau-Theory Revisited</i></p>	<p>Parallel Session 2B <i>Applied Game Theory I</i> DB B01 Chair: Yu, Zhixian</p> <p>Yu, Zhixian <i>Any Heterogeneity Might Cause Large Inefficiency in an Alternating Contribution Game</i></p> <p>Li, Zhi <i>Dynamic Public Goods with a Tipping Point</i></p> <p>Cai, Yongyang <i>Urbanization and Property Right</i></p>
---	---

15:00 – 16:15

<p>Parallel Session 3A <i>Dynamic Game Theory</i> DB A04 Chair: Zhu, Huainian</p> <p>Zhu, Huainian <i>Linear Quadratic Nash Games for Stochastic Delay Systems with State and Control-Dependent Noise</i></p> <p>Ibragimov, Gafurjan <i>Optimal Strategies of Players in a Differential Game for an Infinite System of First-Order Differential Equations</i></p> <p>Luckraz, Shravan <i>On a Characterization of Evasion Strategies for Pursuit-Evasion Games on Digraphs</i></p>	<p>Parallel Session 3B <i>Applied Game Theory II</i> DB B01 Chair: Li, Daniel</p> <p>Li, Daniel <i>Optimal Sequential Search Auctions with a Deadline</i></p> <p>Miao, Chun-Hui <i>The Costly Quest for a Better Price - A Model of Consumer Search beyond the Supermarket</i></p> <p>Qu, Chen <i>Endogenous Formation of Patent Pools</i></p>
---	---

Friday 4th August 2017

10:45 – 12:00

<p>Parallel Session 4A <i>Topics in Game Theory</i> DB A04 Chair: McDonald, Stuart</p> <p>McDonald, Stuart <i>Cartel Trigger Price Strategies and Time Inconsistency</i></p> <p>Hudik, Marek <i>Mixed-Strategy Equilibria and Incentives</i></p> <p>Yang, Guangjing <i>Sequencing Games with a Learning Effect</i></p>	<p>Parallel Session 4B <i>Auction and Mechanism Design</i> DB B01 Chair: Qu, Shaojian</p> <p>Qu, Shaojian <i>Collusion in Auction with Reference Price Effect</i></p> <p>Chen, Yu <i>Simplification of Contingency Plans with Applications to Mechanism Design</i></p> <p>Quadir, Abdul <i>Mechanism Design in Single Dimensional Type Spaces</i></p>
---	--

13:30 – 14:45

<p>Parallel Session 5A <i>Differential Games of Oligopoly</i> DB A04 Chair: Ling, Chen</p> <p>Ling, Chen <i>Envelope Theorem and Comparative Dynamics of Open-Loop Stackelberg Equilibria in Differential Games</i></p> <p>Labrecciosa, Paola <i>Stackelberg Leadership in a Productive Asset Oligopoly</i></p> <p>Colombo, Luca <i>Dynamic Duopolistic Competition with Sticky Prices under Uncertainty</i></p>	<p>Parallel Session 5B <i>Cooperative Game Theory</i> DB B01 Chair: Kong, Qianqian</p> <p>Kong, Qianqian <i>The General Core and Related Solution Concepts</i></p> <p>Sedakov, Artem <i>Characteristic Functions in Linear Oligopoly TU-Games</i></p> <p>Zhang, Xia <i>On the Core, Nucleolus and Bargaining Sets of Cooperative Games with Fuzzy Payoffs</i></p>
---	--

15:00 – 16:15

<p>Parallel Session 6A <i>Matching</i> DB A04 Chair: Zhang, Yongchao</p> <p>Zhang, Yongchao <i>Weak Stability and Pareto Efficiency in School Choice</i></p> <p>Chen, Yajing <i>A Generalization of the Immediate Acceptance Algorithm to Random Environments</i></p> <p>Li, Mengling <i>Pareto Efficient Assignments in the Generalized Roommates Problem</i></p>	<p>Parallel Session 6B <i>Applied Differential Games</i> DB B01 Chair: Breton, Michèle</p> <p>Breton, Michèle <i>The Impact of Adaptation on the Stability of International Environmental Agreements</i></p> <p>Leong, Chee Kian <i>The Discount Rate and Resource Uncertainty in a Stochastic Differential Game of the Environment</i></p>
---	--

Saturday 5th August 2017

9:00 – 10:15

<p>Parallel Session 7A <i>Incentives</i> DB A04 Chair: Szczygielski, Krzysztof</p> <p>Szczygielski, Krzysztof <i>Incentives in Self-Regulatory Organizations</i></p> <p>Xu, Menghan <i>Debt Contracts with Limited Enforcement</i></p> <p>Song, Yangbo <i>Dynamic R&D Competition under Uncertainty and Strategic Disclosure</i></p>	<p>Parallel Session 7B <i>Contests and Information</i> DB B01 Chair: Lien, Jaimie</p> <p>Lien, Jaimie <i>Multidimensional Tullock Contests</i></p> <p>Zheng, Jie <i>Optimal Joint Design of Timing and Information Disclosure in Tullock Contests</i></p> <p>Chen, Minghua <i>The Advertising Mix in an Oligopoly Market</i></p>
---	---