

2016

## Graduate Summer Workshop on Game Theory

*August 28-31*

Hitotsubashi University  
Keio University  
Seoul National University  
Tokyo Tech  
Waseda University

Hosted by  
Center for Distributive Justice  
Institute of Economic Research  
at  
Seoul National University  
NRF-2013S1A3A2055391  
BK21Plus Department of Economics at SNU

*Venue*  
Room 349 in CSS Building #16 at SNU

# Program

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*August 28 (Sunday)*

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## **[13:30 – 14:00] Registration and Opening**

### **Opening Address**

Biung-Ghi Ju (Seoul National University, Director of Center for Distributive Justice)

## **[14:00 – 15:15] Session 1: Distributive Justice and Market**

**Chair:** Shigeo Muto (Tokyo University of Science)

- “An Axiomatic Foundation of the Multiplicative Human Development Index”, by Yoko Kawada (Keio University).
- “Markets with For-Profit and Social Enterprises”, by Hyunwoo Hong (Seoul National University).
- “Inequality of Opportunity for Educational Achievements and Incomes in Korea”, by Seongjae Oh (Seoul National University).

*Break*

## **[15:30 – 16:20] Session 2: Fair Allocation**

**Chair:** Hirofumi Yamamura (Hokusei Gakuen University)

- “Testable Implications of Fair Allocations”, by Yasushi Agatsuma (Waseda University).
- “Nash Equilibria of a Multi-Keyword Auction”, by Ayano Nakagawa (Waseda University).

*Break*

**[16:30 – 17:45] Session 3: Game Theory and Experiments**

**Chair:** Syngjoo Choi (Seoul National University)

- “A Finite Bottleneck Game with Homogeneous Commuters”, by Junki Yukawa (Tokyo Tech).
- “Strategic Interactions in Networks : An Experimental Approach”, by Eung-ik Lee (Seoul National University).
- “The Effect of Frequency of Proposals on Bargaining Outcomes”, by Shunsuke Hanato (Tokyo Tech).

*Break*

**[18:00 – 18:30] Session 4**

**Chair:** Toshiyuki Hirai (Toyama University)

- “Sharing Sequential Profits in a Network”, by Xue Jingyi (Singapore Management University).

*Dinner at Doong-Goo-Na-Moo, Sadang-dong*

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*August 29 (Monday)*

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**[09:00 - 10:15] Session 5: Cooperative Game Theory**

**Chair:** Takehiko Yamato (Tokyo Tech)

- “Efficiency and the Core in Games with Positive and Negative Externalities”, by Takaaki Abe (Waseda University).
- “The Balanced Contribution Property for Equal Contributors”, by Koji Yokote (Waseda University).
- “Priority-Regarding Shapley Value”, by Satoshi Nakada (Hitotsubashi University).

*Break*

**[10:30 - 11:20] Session 6: Allocation Problems**

**Chair:** Jinwoo Kim (Seoul National University)

- “Probabilistic assignment of indivisible objects when agents have single-peaked preferences with a common peak”, by Hee-In Chang (Seoul National University).
- “An Efficient Value on Games with Graph: Theory and Application on Disaster-Recovery Fund Allocation in the Philippines”, by Jason Tayawa (Waseda University).

*Break*

**[11:30 - 12:00] Session 7**

**Chair:** Ryo Kawasaki (Tokyo Tech)

- “Information Pooling Game in Multi-portfolio Optimization Problem and Its Solutions”, by Joanna Jing Fu (Fukuoka Tech).

*Lunch (lunch box)*

**[13:05 - 14:20] Session 8: Mechanism Design**

**Chair:** Youngsub Chun (Seoul National University)

- “Evolutionary Implementation of Efficient Networks”, by Yoshimasa Katayama (Tokyo University).
- “Dispute Mediation Mechanisms”, by Yuta Nakamura (Keio University).
- “Matching with Searching”, by Bongjune Choi (Seoul National University).

*Excursion*

*Dinner at Doolle-Gol, Insa-dong*

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*August 30 (Tuesday)*

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**[09:00 – 09:50] Session 9: Social Choice and Implementation**

**Chair:** Yukihiro Funaki (Waseda University)

- “An Efficient Ascending-Bid Auction for Multiple Objects”, by Noriaki Okamoto (Keio University).
- “An Outcome Mechanism for Partially Honest Nash Implementation”, by Makoto Hagiwara (Tokyo Tech).

*Break*

**[10:00 - 11:15] Session 10: Game Theory**

**Chair:** Baomin Dong (Henan University)

- “An Experimental Study on Bidding Increment’s Effect on the Contrast Price of Online Auction”, by Hideyuki Fujii (Fukuoka Tech).
- “Iterated Elimination of Dominated Strategies and Epistemic Depth”, by Shuige Liu (Waseda University)
- “Experimental Approach to Cooperative Games”, by Taro Shinoda (Waseda University).

*Break*

**[11:30 – 12:10] Session 11**

**Chair:** Tsuyoshi Adachi (Takasaki City University of Economics)

- “Dynamic Contribution Games: Theory and Experimental Evidence”, by Yves Guéron (Seoul National University).

*Lunch at Ja-Ha-Yeon, SNU*

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*August 31 (Wednesday)*

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**[09:30- 12:00] Round Table Discussion**

*“Game Theory and Applications in Economics”*

**Moderator:** Youngsub Chun (Seoul National University)

**Panel:** Yukihiro Funaki, Biung-Ghi Ju, Yosuke Kira, Takehiko Yamato

*Lunch at the SNU Faculty Club Restaurant*