Logic across the University, Foundations and Applications

Time: October 14-16, 2013

Venue: Meeting Room 327 in the Main Building Tsinghua University

Preliminary Program

October 14, 2013

8:30-9:00   **Opening**

Session 1 *Logic and Computation* **(Chair: Johan van Benthem)**

9:00-9:40   Samson Abramsky (Oxford University): Relational Databases and Bell's Theorem

             Commentator: Sonja Smets (University of Amsterdam)

9:40-10:20   Kaile Su (Griffith University & Peking University): Qualitative Extensive Games with Short sight

             Commentator: Thomas Agotnes (University of Bergen)

10:20-10:40 Break

10:40-11:20 Ram Ramanujam (Institute of Mathematical Sciences): A Logical Structure for Strategies

             Commentator: Yde Venema (Amsterdam University)

11:20-12:00 Iddo Tzameret (Tsinghua University): From Classical Proof Theory to P vs. NP

             Commentator: Yanyan Xu (Beijing Forestry University)

12:00-1:30   Lunch

Session 2 *Logic and Cognition*   **(Chair: Lin Wang, Beijing University of Posts and Telecommunications)**

1:30-2:10   Noah Goodman (Stanford University)

             Commentator: Junhua Yu (City University of New York)

2:10-2:50   Cristina Bicchieri (University of Pennsylvania): The medium or the message? Communication relevance and richness in trust games

             Commentators: Meiyun Guo (South West University), Jianying Cui (Sun Yat-sen University)

2:50-3:10   Break

Session 3 *Logic and Mathematics* **(Chair: Dafa Li, Department of Mathematics, Tsinghua University)**

3:10-3:50   Sergei Artemov (City University of New York): The Logic of Justification

             Commentator: Hiroakira Ono (JIAST, Japan)

3:50-4:30   Feng Ye (Capital Normal University): Introduction to a Naturalistic Philosophy of Mathematics

             Commentator: Difei Xu (Renmin University, Beijing)

4:30-4:50   Break

4:50-5:30   Panel Session "The Role of Logic Today"

5:30-6:30   Reception

7:30-9:30   *Evening Lecture* **(Chaired by Andrew Yao, Dean of the Institute for Interdisciplinary Information Sciences)**

             Moshe Vardi (Rice University) : From Aristotle to The iPhone

October 15, 2013

Session 4 *Logic and Social Sciences* **(Chair: Ram Ramanujam, Institute of Mathematical Sciences)**

9:00-9:40   Christian List (London School of Economics): Where do Preferences Come From?

                Commentator: Alexandru Baltag (University of Amsterdam)

9:40-10:20   Sonja Smets (University of Amsterdam): Logical Models of Informational Cascades

                Commentator: Jiahong Guo (Beijing Normal University)

10:20-10:40 Break

10:40-11:20 Jeremy Seligman (University of Auckland): Knowledge, Friendship and Social Annoucements

                Commentator: Katsuhiko Sano (JAIST, Japan)

11:20-12:00 Minghui Xiong (Sun Yat-sen University): Logics for Litigation Argumentation

                Commentator: Davide Grossi (University of Liverpool)

12:00-1:30   Lunch

Session 5 *Logic and Philosophy* **(Chair: Yi Jiang, Beijing Normal University)**

1:30-2:10   Hannes Leitgeb (Ludwig-Maximilians-Universität München)：The Stability Theory of Belief

                Commentator: Sonja Smets (University of Amsterdam)

2:10-2:50   Wesley Holliday (University of California, Berkeley): Epistemic Closure and Epistemic Logic I

                Commentator: Jeremy Seligman (University of Auckland)

2:50-3:10   Break

3:10-3:50   Wei Wang (Tsinghua University): Is There Such a Thing as a Ceteris Paribus Law?

                Commentator: Liying Zhang (Central University of Finance and Economics)

4:30-4:50   Break

4:50-5:30   *Demonstrations:* by Vincent Hendricks, Kaile Su, and Moshe Vardi

7:30-9:30   *Evening Lecture* **(Chaired by Junren Wan, Dean of the School of Humanities)**

                Vincent Hendricks (Copenhagen University): Logic, Philosophy and Society

October 16, 2013

Session 6 *Logic and Language* (Chair: Martin Stokhof, University of Amsterdam)

9:00-9:40   Chongli Zou (Chinese Academy of Social Sciences): Hybrid Categorical Type Logics and Formal Treatment of Chinese

Commentator: Dongping Gao (Chinese Academy of Medical Sciences)

9:40-10:20   Dag Westerstahl (Stockholm University):Classical vs. Modern Squares of Opposition, and Beyond

Commentator: Fengkui Ju (Beijing Normal University)

10:20-10:40 Break

10:40-11:20   Huang Huaxin (Zhejiang University)：An Ontology-Based Approach to Metaphor Cognitive Computation

Commentator: Paulo Turini (Imperial College, London)

11:20-12:00 Gerhard Jäger (University of Tübingen)：Game Theory in Semantics and Pragmatics

Commentator: Cihua Xu (Zhejiang University)

12:00-12:40 Beihai Zhou (Peking University): Vague Classes and a Resolution of the Paradox of the Bald Man

Commentator: Wenfang Wang (Yangming University, Taiwan)

12:40-1:00   Closing Session

1:00-2:00   Lunch

7:00-9:30   Conference dinner

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APPENDIX Other related events:

October 18 Workshop Tsinghua Meets the ILLC (UvA)

October 19 "A Door to Logic", Meeting on Logic, Language and Translation