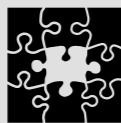


UvA-Tsinghua Joint Research Center in Logic



UNIVERSITY OF AMSTERDAM



INSTITUTE FOR LOGIC, LANGUAGE AND COMPUTATION



A new center

The Institute for Logic, Language and Computation, University of Amsterdam, and the Department of Philosophy, Tsinghua University Beijing, have agreed to set up a joint research center in logic. This new structure will give a visible form to the long-standing cooperation between the ILLC and Tsinghua, bringing together current projects, and serving as a base for new projects and activities in the future.

History of collaboration

The two institutions have collaborated on many projects in the past years resulting in many joint publications, they have exchanged senior visitors with great frequency, and many Chinese students have spent time at the ILLC as part of their graduate studies. So far, more than five of these Chinese students from Beijing that spent time at the ILLC have obtained professorships at key universities in Beijing. Here are a few illustrations.

Existing collaboration

Co-organized seminars and workshops in Beijing. Logic, Language and Cognition (2008), Proofs, Reasons, and Games (2008), Logic, Language and Philosophy (2010, 2011), Modal Logic and Logical Dynamics (2011). (<http://fenrong.net/events/>)

KNAW joint research project *Ways of Worldmaking* (2009-2011). (<http://dcc.nwo.nl/project;id=79;title=Ways+of+Worldmaking>)

Short-term visits for intensive seminars. Van Benthem, Van Emde Boas, De Jongh, Stokhof, Veltman, and Venema.

Four-volume translation project “Door to Logic”. Science Press, Beijing, completed in 2012. (See Workshop Door to Logic, May 22–23, 2010.)

International workshop series LORI. Logic, Rationality, and Intelligent Interaction (<http://www.golori.org>) initiated by the ILLC, Tsinghua, and other Chinese universities.

East Asian Schools on Logic, Language and Computation. For the most recent school, organized by Jouko Väänänen and international colleagues, <http://home.hib.no/prosjekter/eas11c2012/>, the next one will be at Tsinghua.



Current joint research

Computational foundations of epistemic logic. Alexandru Baltag (ILLC), Johan van Benthem (ILLC), Fenrong Liu (Tsinghua), Kaile Su (Griffith & PKU). Key publication: F. Liu and K. Su, eds., *Special issue on Logic and AI in China*, Minds and Machines (23):1, 2013. Upcoming activity: LORI Hangzhou (<http://golori.org/lori2013>).

Social agency and games. Fenrong Liu (Tsinghua), Sonja Smets (ILLC), Patrick Girard and Jeremy Seligman (Auckland), Davide Grossi (Liverpool), Vincent Hendricks (Copenhagen). Key publication: F. Liu, J. Seligman, and P. Girard, *Logical Dynamics of Belief Change in the Community*, to appear in Synthese. Upcoming activity: visit to Beijing by members of Sonja Smets’ ERC project The Logical Structure of Correlated Information Change (<https://sites.google.com/site/logicproject/home>).

History of logic in China. Johan van Benthem (ILLC), Peter van Emde Boas (ILLC), Fenrong Liu (Tsinghua), Christoph Harbsmeier (Oslo), Jeremy Seligman (Auckland), Jincheng Zhai (Nankai). Key publication: F. Liu, J. Seligman and J. van Benthem, eds, Stud. Log., *Special Issue on the History of Logic in China*, Amsterdam 2010. Upcoming activity: Handbook of the History of Logic in China <http://holicnet.net/>.

Philosophy and semantics of natural language. Martin Stokhof (ILLC), Frank Veltman (ILLC), Lu Wang (Tsinghua), Zou Chongli (CASS). Upcoming activity: Chinese translation of the GAMUT textbook *Logic, Language and Meaning*, written by ILLC members.

Mission

The aim of the joint research centre is to create a flourishing interface between the ILLC and the new research center for logic at Tsinghua that has very similar research goals, and ambitions for interdisciplinary outreach. Activities will include

- research projects: joint publications, mutual visits, etc.
- exchanging teachers for concentrated courses and seminars, exchanging students, exploring a joint Tsinghua UvA graduate program in logic.
- new project proposals [e.g., new China government research center funding, Marie Curie International Research Staff Exchange Scheme, ERC Horizon2020]
- collaborating in new publication initiatives [Studia Logica Library: Logic in Asia]
- shared strategic international flagship events [LORI, perhaps others]

A future extension will be explored with the Center for the Study of Language and Information CSLI at Stanford University who have expressed an active interest.



Organization

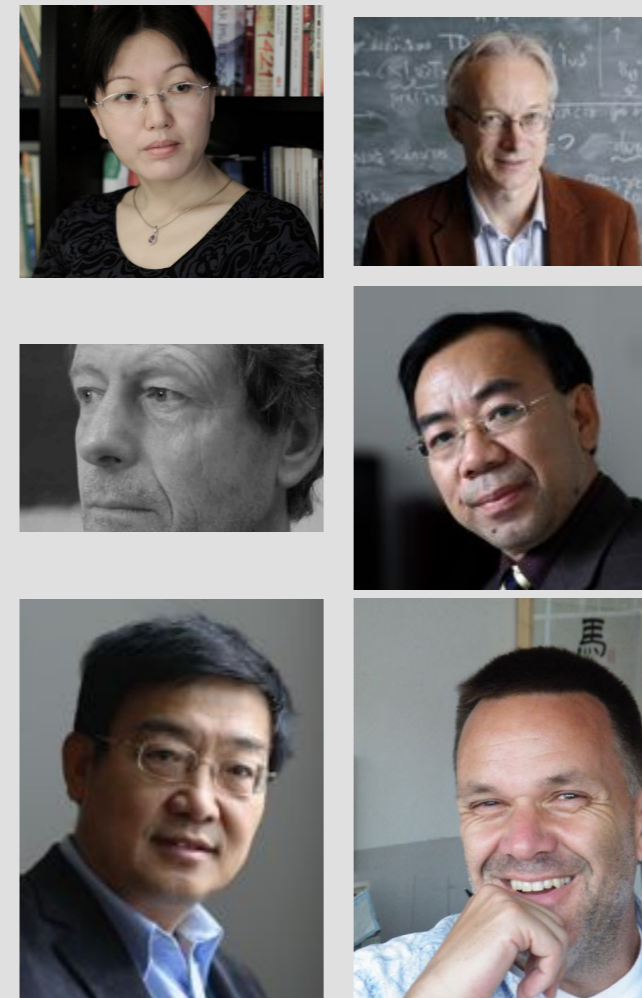
Scientific Directors Johan van Benthem & Fenrong Liu

Board Junren Wan, Lu Wang, Martin Stokhof & Yde Venema

Members Alexandru Baltag (ILLC), Harry Buhrman (ILLC), Peter van Emde Boas (ILLC), Minghu Jiang (Tsinghua), Robert van Rooij (ILLC), Sonja Smets (ILLC), Pingzhong Tang (Tsinghua), Jouko Väänänen (ILLC), Frank Veltman (ILLC), Cai Shushan (Tsinghua), Wei Wang (Tsinghua) & Yuncheng Zhou (Tsinghua).

External associates [based on current cooperations] Thomas Ågotnes (Bergen), Natasha Alechina (Nottingham), Jianyin Cui and Minghui Xiong (Sun yat-sen), Patrick Girard and Jeremy Seligman (Auckland), Davide Grossi (Liverpool), Jiahong Guo & Fengkui Ju (BNU), Meiyun Guo and Minghui Ma (South West), Vincent Hendricks (Copenhagen), Wesley Holliday (Berkeley), Thomas Icard (Stanford), Gabriel Sandu (Helsinki), Kaile Su (Griffith), Yanjing Wang (PKU), Dag Westerståhl (Stockholm), Cihua Xu (Zhejiang), Junwei Yu (Renmin), Jincheng Zhai (Nankai) & Chongli Zou (Chinese Academy of Social Sciences).

Shared positions Johan van Benthem is a University Professor at UvA, and a National Expert and Changjiang Professor at Tsinghua. Fenrong Liu is a full professor at Tsinghua, and visiting professor at the ILLC. Martin Stokhof is a visiting professor at the department of philosophy, Tsinghua.



Projects under consideration

Rens Bod History of humanities in China

Harry Buhrman Complexity and quantum computation

Ulle Endriss Computational social choice

Robert van Rooij Cognition, language, and decision making

Khalil Sima'an Computational linguistics

Jouko Väänänen Dependence logics

Yde Venema Logic and foundations of computation

Joint events

02.09.2013 Amsterdam China lectures at Opening of Academic Year UvA

03.09.2013 Opening joint UvA Tsinghua research center in logic at the ILLC

9-12.10.2013 LORI Hangzhou

14-16.10.2013 Tsinghua conference “Logic across the University, Foundations and Applications”, 14–16 October 2013, announcement of logic research center. Proceedings to appear with College Publications, London.

18.10.2013 Workshop “Tsinghua Meets Amsterdam”, Beijing