

Prof. Dr. Liying Zhang

CONTACT INFORMATION Mailing address:
University of Chinese Academy of Sciences, No.19(A) Yuquan Road, Shijingshan District, Beijing, P.R.China 100049
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PERSONAL PROFILE I am a professor and doctoral supervisor of Institute of Philosophy, Chinese Academy of Sciences. Ph.D. in Logic, Peking University, visiting scholar of University of Amsterdam and University of Pittsburgh, Vice President of Beijing Logic Society, and former professor of Central University of Finance and Economics.

RESEARCH INTERESTS My research interests are mainly in the field of philosophical logic, I focus on default reasoning, vagueness, reasoning of generic sentences, the formal expression of *Ceteris Paribus* Laws, induction and analogy etc., use the tools of logic to explore epistemic and cognitive laws that involve uncertainty. I am also interested in popularizing logic.

EDUCATION Ph.D. in Symbolic Logic Peking University, China, July, 2005
B.A. in Logic Peking University, China, July, 2000

- HONORS AND AWARDS**
- Top Ten Popular Science Books in Guangxi (The 1st prize), 2022
 - The 14th Philosophy & Social Science Outstanding Achievement Award of Beijing, 2017
 - Basic course teaching award of CUFU, 2015
 - Outstanding Social Research Achievement Award for Young Teachers of Beijing Universities (2nd Prize), 2014. (
 - Jin Yuelin Prize·Excellent Research Works (1st Prize), 2010
 - Excellent Scientific Research Works of China Logic Association (3rd Prize), 2008
 - Excellent Doctoral Dissertation of Peking University (2nd Prize), 2007
 - Guanghua Scholarship, 2001
 - Outstanding Academic Performance Award, 2001
 - Student with Honor, 1997

PROFESSIONAL EXPERIENCE **Vice President of Beijing Logic Society, China** Dec 2016 – present
Professor Apr 2022 - present
Institute of Philosophy, Chinese Academy of Sciences (CASIP), Beijing, China.

Professor Oct 2015 – Apr 2022
Modern Logic Institute, Central University of Finance and Economics
(CUFE), Beijing, China.

Visiting Scholar Sep 2010- Sep 2011
Visiting Fellow Spring semester, 2011
The center for Philosophy of Science, University of Pittsburgh
Supported by China Scholarship Council (CSC) and the center for
Philosophy of Science, University of Pittsburgh

Guest Researcher Sep 2010- Sep 2011
Institute for Logic, Language and Computation(ILLC), University of
Amsterdam
Supported by HUYGENS CHINA PROGRAM

Associate professor Jul 2007 - Oct 2015
Modern Logic Institute, CUFE, Beijing, China.

Instructor Oct 2005 - Jul 2007
Modern Logic Institute, CUFE, Beijing, China.

PUBLICATIONS
(Pertinent)

Monographs:
Liyong Zhang, **A Study on Reasoning of Generic Sentences**, Social Sciences
Academic Press (China), Nov, 2013.

Textbooks:
Junwei Yu, Xiaoyu Zhao, Jiangjie Qiu and Liying Zhang, **Mathematical
Logic**, China Renmin University Press, 2020.

Written by Liying Zhang and painted by Mr. Jiji, **Logic comics for beginners**,
Guangxi Normal University Press, 2020.

Main Papers:
Liyong Zhang, Jun Zhang, The Analysis on Intension and Extension Based on
the Development of Vagueness Studies, *Studies in Logic*, 2021, Vol.2, 68-87.

Beihai Zhou & Liying Zhang. A Formal Characterization of vague classes
with divergent exemplars, *Studies in Logic* , 2018, Vol.1, 23-34.

Liyong Zhang, Logic and Scientific Research Ability Upgrading Course
Construction, *Studies in Logic*, 2018, Vol.4 A, 140-148.

Liyang Zhang, A Generic Interpretation for Induction Reasoning, *philosophical analysis*, Vol.8 (2), 2017, 142-149.

Liyang Zhang. Reasoning with generics and induction, Chinese Conference on Logic and Argumentation (CLAR 2016). (in English)

Liyang Zhang. Nonmonotonic Reasoning with Defeasible Argumentation, *Philosophical Trend*, No.5, 2017, 105-108.

Liyang Zhang. Formal Characterizations of Exclusive CP-law, *Studies in Logic*, 2015, vol.1, 37-49.

Liyang Zhang. The Interpretations of Ceteris Paribus Laws and Their Origins from Economics, *Journal of Central University of Finance & Economics*, 2015((supplement)), 73-76.

Liyang Zhang. Studies on Vagueness and Sortes Paradox, *Philosophical Trend*, No.10, 2013, 21-24.

Liyang Zhang & Xinwen Liu, The Propositional Syllogistic, *Journal of southwest university (social science edition)*, 2013. Vol. 1. 27-31.

Beihai Zhou & Liyang Zhang., Vague Classes and a Resolution of the Bald Paradox, pp319-332. Johan van Benthem and Fenrong Liu, eds, *Logic Across the University: Foundations and Application, Proceedings of the Tsinghua Logic Conference*, Beijing, 14-16 October 2013. Volume 47: Studies in Logic. College Publications, London. (In English)

Liyang Zhang & Beihai Zhou, Logics for Getting Generics by Deduction, *Studies in Logic*, 2013, Vol.1, 13-26. (In English)

Liyang Zhang. Reasoning with generics and induction, PALMYR X (Paris-Amsterdam Logic Meetings of Young Researchers), Institute Jean Nicod, 2011.

Liyang Zhang, Comments on Natural Logic, *Philosophical Trend*, No.9.2009.

Liyang Zhang, The reasoning encoded generics and the Orders on premise set, *Studies in Logic*, Vol.2. No.2, 2009.

Liyang Zhang, The way to non-monotonic reasoning, *Journal of Central University of Finance & Economics*, 2008(supplement).

Liyang Zhang, Ariel Cohen's Study on Semantic Interpretation of Generic Sentences, *Philosophical Trend*, No.12.2007.

Liyang Zhang, A Preliminary Study on the Completeness of Conditional Logic, *Journal of Hunan University of Science & Technology* (Social Science Edition), Vol. 10, No.4.2007.

Liyang Zhang, The Completeness of the Logic System G0-G4 for Generics Inference, *Beida Journal of Philosophy*, Vol.7, No.1, 2006.

Liyang Zhang, A Comparison on the semantic interpretation and formalization of generic sentences, *Philosophical Trend*, No.8.2006.

Liyang Zhang, One kind of reasoning encoded generics, *Philosophical Trend*, 2005(supplement).

L. Zhang, A preliminary study on the thoughts of Jin Yuelin's On Tao, *Philosophical Researches*, 2005(supplement).

Translation:

Written by Raymond, M. Smullyan, translated by Xinwen Liu, Yu Zhang, Huaxia Rong, Jialing Yan and Liyang Zhang, **A Beginner's Guide to Mathematical Logic**, China Light Industry Press, 2019.

Written by Apostolos Doxiadis & Christos H. Papadimitriou, translated by Liyang Zhang, **Logicmix**, China Renmin University Press, China, 2018.

Written by Mark Battersby, translated by Liyang Zhang, **Is That a Fact?** Shanghai Education Press, China, 2017.

Frank Veltman, Defaults in Update Semantics, JPL, 1996.
Chinese version translated by Liyang Zhang, was published in **Classical literature studies on the Logic of Natural Language**, China social sciences press, China, 2016.

Computation as Conversation, Johan van Benthem,
Chinese version translated by Liyang Zhang, was published in **Logic, Language and Cognition**, Science Press, China, 2009.

Natural Logic: A View From the 1980s, Johan van Benthem,
Chinese version translated by Liyang Zhang, was published in **Logic, Language and Cognition**, Science Press, China, 2009.

- Research Project** The study of reasoning and argumentation mode in Hongming Collection, National Social Science Foundation Project of China, project leader, 2020-
- Study on the formal description and reasoning of *Ceteris Paribus* Laws, Social Science Foundation of Ministry of Education of China, project leader, 2019-
- The argumentation Theory and Case Study of **Honging Collection**, Beijing Social Science Foundation, project leader, 2018-
- The new development theory frontier and application research of modern inductive logic, A major project of the National Social Science Foundation of China, participation, 2015-
- Exploration of curriculum construction for improving scientific research literacy, project leader, CUFE teaching method research project, 2017-2018
- Study on Vagueness, project leader, Beijing Higher Education Young Elite Teacher Project, project leader, 2013-2016
- Study on Reasoning of Generic Sentences, project leader, Post-funded project of the National Social Science Fund, 2012-2013
- Study on Natural Logic, Social Science Foundation of Ministry of Education of China, project leader, 2009-2012
- Nonmonotonic reasoning and ordering, project leader, CUFE 121 Young Elite Doctor Project, project leader, 2008-2010
- The Semantic Analysis and Reasoning of Generic Sentences, CUFE Research Project, project leader, 2005-2006